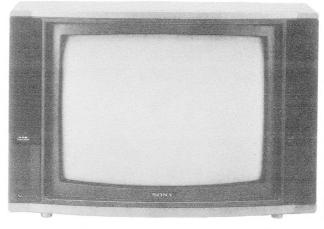
SERVICE MANUAL

AEP Model

Chassis No. SCC-699A-A





RX CHASSIS

November, 1985

SPECIFICATIONS

Television system

CCIR TV standards (system B,G and H)

Colour system PAL

Zweiton system Channel coverage

Two carrier system

VHF channels E2-S20 UHF channels E21-E68

Programming system

30 programmes

Automatic programming digital tuning

Picture tube Approx. 56 cm (22 inches),

Approx. 53.8 cm screen measured diagonally

114-degree deflection Trinitron system

75-ohm standard aerial socket

(DIN 45325/IEC 169-2)

Audio output

10 W + 10 W (music power)

Input/output

21-pin connector

in accordance with the requirements of

Outputs

Aerial

CENELEC standard

Audio output connector (5-pin DIN) Recording output: 1 mV rms/kilohm

Line output: variable, 0-2 V rms (max.) impedance less than 1 kilohm

External speaker terminals (2-pin DIN) For 8 to 16 ohm speakers

Headphones jack (stereo phone jack) 220-240 V ac, 50 Hz

Power requirements

Power consumption

110W

Dimensions Approx. 692 x 462 x 408 mm (w/h/d)

Weight Approx. 30kg

Accessory supplied Optional accessory

Remote Commander RM-635

OPK-202 SECAM adaptor

OPK-203 teletext adaptor

Design and specifications are subject to change without notice.

RM-635

Remote control system

Infrared control

Power requirements 3 V dc

2 batteries IEC designation R03 (size AAA)

Dimensions

Approx. $54 \times 16 \times 165 \text{ mm (w/h/d)}$

Weight Approx. 100 g

incl. batteries

Accessories supplied IEC designation R03 battery (2)

Design and specifications are subject to change without notice.

MICROFILM

TRINITRON® COLOR TV SONY



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SAFETY-RELATED COMPONENT WARNING!

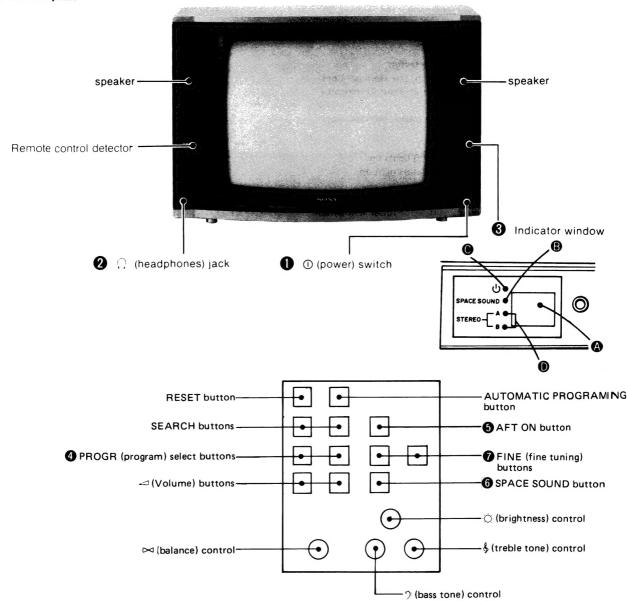
COMPONENTS IDENTIFIED BY SHADING AND MARK

ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

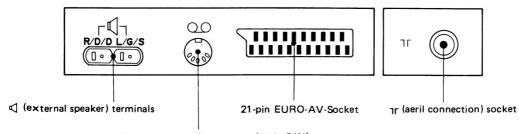
SECTION 1 GENERAL

1-1. LOCATION AND FUNCTION OF CONTROLS

On the front panel



On the rear panel



audio output) connector (5-pin DIN)

(power) switch

Press to turn the TV on. Press again to turn the power off.

(headphones) jack

Connect stereo headphones here. Speaker sound will be disconnected. If your stereo headphones have a stereo miniplug use an optional plug adaptor. To hear the sound from the speakers disconnect the headphones.

1 Indicator window

A Program indicator

SPACE SOUND indicator

● (standby) indicator and Remote control detector

Lights up when the TV is turned off with the Remote Commander. When any of the buttons on the Remote Commander is pressed this lamp blinks.

Point the infrared transmitter of the supplied Remote Commander here.

DZweiton/STEREO indicators

When a dual-sound program is received. A or B lights up.

When a stereo program is received both indicators light up.

OPROGR (program) select buttons

Press either + or - to select a preset program (from positions 1 through 30). Press + for higher numbered programs and - for lower numbered programs. Programs will be changed continuously in sequence. The selected program number will appear on the program indicator.

5 AFT (automatic fine tuning) ON button

When the AFT circuit activates the indicator illuminates.

Press the AFT ON button to restore the AFT on the channel which has been fine-tuned manually with the FINE buttons. After the automatic programing is finished, or after a station is tuned and memorized in the manual programing system the AFT circuit will automatically reactivate.

6 SPACE SOUND button

Press to get special acoustic effects (for example more presence). The SPACE SOUND indicator will illuminate. To disengage press it again.

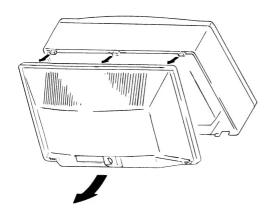
FINE (fine tuning) buttons

Keep either + or - depressed to get a clear picture for each unsatisfactory channel. The AFT circuit will be automatically deactivated.

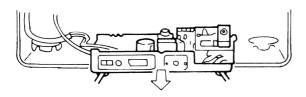
SECTION 2 DISASSEMBLY

2-1. OPK-202 ATTACHING

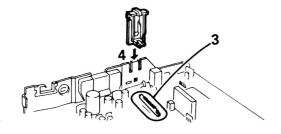
1 Remove the rear panel.



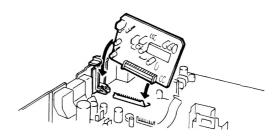
2 Pull out the main D board.



- 3 Cut off the five soldered connections marked SCM on the D-board: JW 158, 169, 170, 171 and 172.
- 4 Insert the larger holder into the lefthand side frame.



5 Insert the adaptor into the D-20 board aligning the righthand pins first, and slide into the slot of the holder.

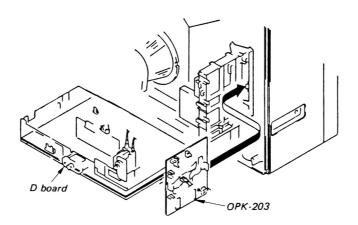


- **6** Connect th power plug, and check that the SECAM program is displayed in color.
- 7. Disconnect the power plug again and attach the rear panel.

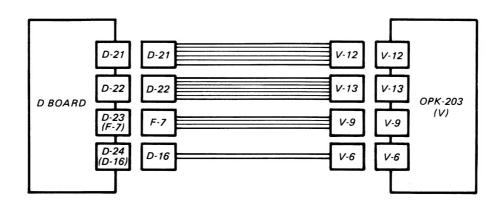
2-2. OPK-203 ATTACHING

Before installing the adaptor, unplug the set from the wall outlet.

- 1. Remove the rear panel.
- 2. Pull out the main D board.
- 3. Attach the OPK-203 board on the set in the reserved position using the holder or sash provided.



4. Connect to the researce terminals as the connector.



- 5. Cut out the D004 of the D board.
- 6. PICTURE ADJUSTMENT

RV3: Adjust this VR to give the optinum contrast on TXT display.

RV2: Adjust this VR to obtain stable picture on non-interlace models.

7. Attach the rear panel.

SECTION 3 EXPLODED VIEWS

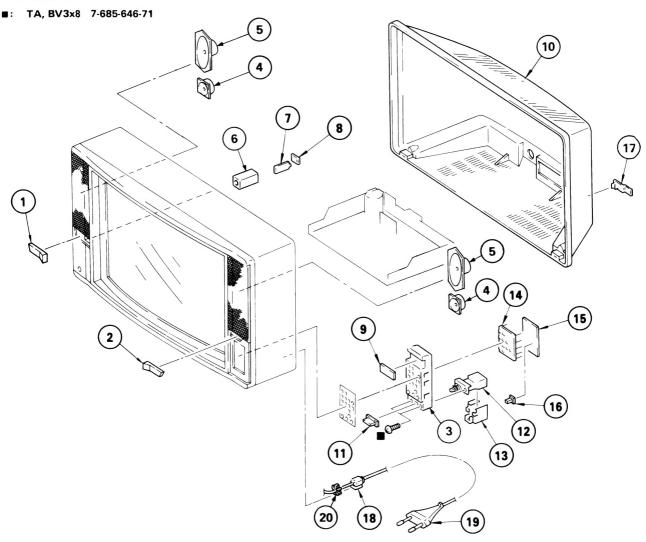
NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service
- are seldom required for routine service.

 The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

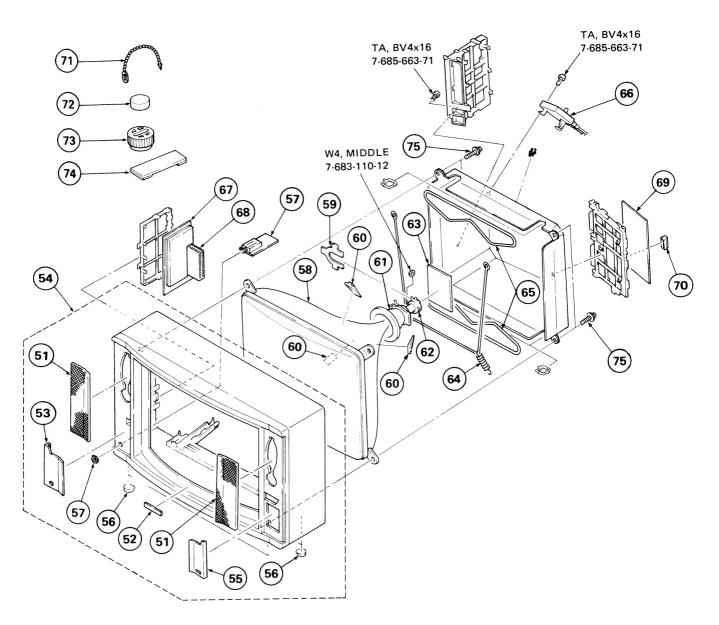
The components identified by shading and mark $\underline{\mathbb{A}}$ are critical for safety. Replace only with part number specified.

3-1. CABINET



No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
1 2 3 4 5 6 7 8 9	4-373-223-01 *4-373-232-01 1-503-314-11 1-503-417-11 *4-342-117-00 *1-611-717-11	LID, SHIELD CASE, R H2 BOARD		13 14 15 16 17 18	*4-373-216-01 4-373-213-01 *1-612-976-21 4-361-938-00 4-329-127-00	SWITCH, PUSH (AC POWER)(1 KEY) CAP, INSULATING, POWER SWITCH BUTTON, MULTI H1 BOARD PUSH BUTTON (A) CLAMP, CORD HOLDER, AC CORD CORD, POWER	

3-2. CRT

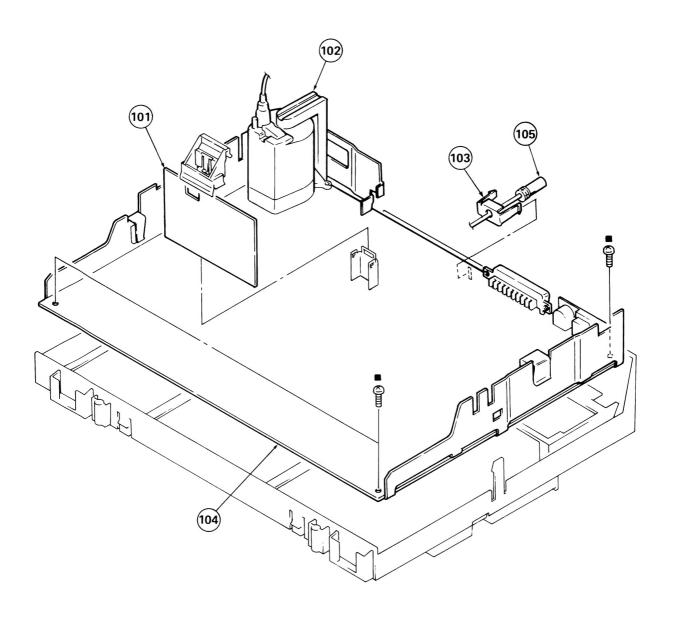


No.	Part No.	Description	<u>Remark</u>	No.	Part No.	Description	Remark
51 52 53 54 55 56 57 58 59 60 61 62 63	1-452-146-21 3-703-003-00 1-451-242-31 1-452-316-11	EMBLEM, SONY DOOR (LEFT) CABINET ASSY DOOR (RIGHT) CUSHION, FOOT J1 BOARD CRT (A53JBWO2X) MAGNET, BMC	51,52,53,55,56	64 65 66 67 68 69 70 71 72 73 74 75	⚠,1-226-733-13 *A-1296-105-A ⚠,1-463-523-11 *A-1245-313-A *4-375-709-01 4-308-870-00 1-452-032-00 1-452-094-00	COIL, DEGAUSSING RESISTOR ASSY, HIGH-VOLTAGE A BOARD, SUB, COMPLETE TUNER, ET (UHF/VHF) (UV417) F BOARD, SUB, COMPLETE COVER, FUSE CLIP, LEAD WIRE MAGNET, DISK; 10MM Ø MAGNET, ROTATABLE DISK; 15MM Ø PERMALLOY ASSY, CONVERGENCE	

The components identified by shading and mark \underline{A} are critical for safety. Replace only with part number specified.

3-3. CHASSIS

■: TA, BV3x8 7-685-646-71



No.	Part No.	Description	Remark No.	Part No.	Description	Remark
101 102	*A-1340-725-A 1-439-331-41	D1 BAORD, COMPLETE TRANSFORMER ASSY, FLYBACK	:	*A-1345-540-A	STOPPER D BOARD, SUB, COMPLETE SOCKET, PAL ANTENNA (WITH CABLE)	

The components identified by shading and mark & are critical for safety. Replace only with part number specified.



NOTE:

SECTION 4 ELECTRICAL PARTS LIST

 Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

When indicating parts by reference number, please include the board name.

 All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

The components identified by

shading and mark <u>A</u> are critical for safety. Replace only with part number specified.

CAPACITORS • MF : μF, PF : μμF

RESISTORS

• All resistors are in ohms
• F : nonflammable

COILS • MMH : mH, UH : μH

Ref.No. Part No. Description Remark | Ref.No. Part No. Description Remark *A-1245-313-A F BOARD, SUB, COMPLETE DIODE 8-719-503-06 DIODE S3WB60Z D601 CAPACITOR D602 8-719-100-65 DIODE RD12E-B2 D603 8-719-815-55 DIODE 1S1555 MYLAR C601 A1-108-745-62 0.22MF 20% 300V 8-759-157-40 D604 IC UPC574.1 C602 A1-117-122-51 C603 A1-161-738-12 DIODE ERC24-06S PAPER 0.33MF 20% 250V 8-719-924-06 D605 CERAMIC 0.0047MF 400V 20% C604 A1-161-738-12 CERAMIC 0.0047MF D606 20% 400V 8-719-815-55 DIODE 1S1555 C605 1-161-738-12 CERAMIC 0.0047MF 400V 20% D607 8-719-815-55 **DIODE 1S1555** 8-719-815-55 DIODE 1S1555 D608 C606 A 1-161-738-12 CERAMIC 0.0047MF 20% 400V D609 8-719-305-15 DIODE GH3F C607 A 1-161-964-61 CERAMIC C608 A 1-161-964-61 CERAMIC 0.0047MF 250V D651 8-719-928-08 DIODE ERD28-08S 0.0047MF 250V C609 A1-161-964-61 CERAMIC 0.0047MF 250V D652 8-719-924-06 DIODE ERC24-06S C610 1-125-318-00 ELECT(BLOCK) 220MF 8-719-924-06 20% 400V D653 DIODE ERC24-06S D654 8-719-924-06 DIODE ERC24-06S C611 1-110-175-81 0.1MF 10% 1000 8-719-924-06 D654A DIODE ERC24-06S C612 1-130-022-00 FILM 0.0022MF 5% 50V D655 8-719-924-06 DIODE ERC24-06S C613 1-123-356-00 ELECT 10MF 20% 161 C614 1-123-369-00 ELECT 4.7MF D655A 20% 251 8-719-924-06 DIODE ERC24-06S 06151-102-106-00 CERAMIC 100PF 10% 50V D656 8-719-924-06 DIODE ERC24-06S D657 8-719-924-06 DIODE ERC24-06S C616 1-123-369-00 FLECT 4 7MF 20% 25V D658 8-719-102-74 DIODE RD6.2E-N2 C617 1-110-186-81 0.0047MF MYLAR 400V 10% 0659 8-719-102-79 DIODE RD6.8E-N3 C618 1-102-030-00 CERAMIC 330PF 500V 10% 1-110-182-81 MYLAR 0.022MF 10% 250V D660 8-719-815-55 DIODE 1S1555 DIODE 1S1555 DIODE RD6.2E-N2 C620 1-123-332-00 ELEC1 47MF 20% 167 D661 8-719-815-55 D663 8-719-102-74 C621 1-136-065-00 0.0027MF 3% 2KV 8-719-100-65 DIODE RD12E-B2 C622 1-123-385-00 ELECT 22MF 20% 100V 220PF 0623 1-161-973-00 CERAMIC 10% 400V CONNECTOR 400V C624 1-161-973-00 CERAMIC 220PF 10% 0.6251-123-379-00 ELECT 0.47MF 20% 50V F1 *1-506-348-XX 3P PLUG (L) 3P PLUG (M) 2P PLUG (M) F2 *1-508-765-00 C626 1-123-381-00 FLECT 2 2MF 20% 50V F3 *1-508-786-00 C627 1-123-380-00 ELECT 1MF 50V 3P PLUG (M) 20% F4 *1-508-765-00 C628 0.0022MF 1-108-618-91 MYLAR 10% 1000 F6 *1-560-123-00 PLUG, CONNECTOR (2.5MM) 3P C632 1-102-002-00 CERAMIC 680PF 10% 500V C633 1-108-745-62 0.22MF F7 MYLAR 20% 300V *1-564-883-11 PLUG, CONNECTOR 6P C634 1-110-175-81 0.1MF 10% 1000 FUSE C651 1-102-155-00 CERAMIC 330PF 20% 2KV 0.652 1-124-347-00 ELECT 100MF 20% 1600 F601 A1-532-465-31 FUSE 3.15/250V 0.6531-123-364-00 ELECT 1000MF 20% 50V 1-533-149-00 HOLDER, FUSE; F601 C654 1-123-606-00 FI FCT 1000MF 20% 25V IC C655 1-123-334-00 ELECT 220MF 20% 25V C656 1-102-038-00 CERAMIC 0.001MF 500V IC601 8-759-100-75 IC UPC1394C IC602A 8-719-800-82 DIODE TLP581 C658 1-123-332-00 ELECT 47MF 20% 160 1-102-112-00 C659 CERAMIC 330PF 10% 50V IC651 8-759-145-58 IC UPC4558C C660 50V 1-123-356-00 ELECT 1 OMF 20% COIL C661 1-123-333-00 ELECT 100MF 20% 160 C662 1-110-190-81 0.01MF 400V 1-407-365-00 COIL, CHOKE 1-425-613-00 COIL, AIR-CORE, QF TYPE 1-459-442-00 COIL (WITH CORE) MYLAR 10% L601 C663 1-123-380-00 ELECT 1MF 20% 50V L651 C664 1-123-380-00 **ELECT** 1MF 20% 50V C666 1-123-307-00 ELECT 100MF 20% 6.3 TRANSISTOR C667 1-102-121-00 CERAMIC 0.0022MF 50V 10% 0601 8-729-195-82 TRANSISTOR 2SC2958 8-729-301-00 TRANSISTOR 2SD1497-02 0602

4-365-216-00 SPACER, MICA; Q602



Ref.No. Part No.	Description				Remark	Ref.No.	Part No.	Description				Remark
*4-368-683-01 Q603 8-729-245-83 Q604 8-729-204-83 Q651 8-729-109-53 *4-323-833-00	SPRING; Q602 TRANSISTOR 2SC TRANSISTOR 2SC TRANSISTOR 2SC HEAT SINK, PIN	1048GI 1795A				R667 R668 R669 R670	1-215-126-81 1-215-778-91 1-215-166-00 1-215-746-91	METAL METAL	82 47K 3.9K 2.2K	5% 5% 5% 5%	1/4W 1/6W 1/4W 1/6W	
	TRANSISTOR 2SC		,,,,,,			İ	VAR	IABLE RESISTOR	3			
	ISTOR	, , , , ,					1-228-720-00 1-230-521-11					
R601 1-217-328-11		2.7	10%	7W	F			NSFORMER				
R602 A 1-244-945-91 R604 A 1-247-289-11 R605 1-215-798-91 R606 1-215-770-91	CARBON CARBON	1M 8.2M 330K 22K	5% 5% 5% 5%	1/2W 1W 1/6W 1/6W		T602 4	1-421-758-11 1-441-855-11 1-437-079-00 1-421-652-11	TRANSFORMER, TRANSFORMER, TRANSFORMER,	HEATER HOR IZO	INSU NTAL I	LATION DRIVE	
R608 1-215-746-91 R609 1-215-871-11		2.2K 2.2K	5% 5%	1/6W 1W	F		THE	RMISTOR				
R611 1-215-776-91 R612 1-215-904-51 R613 1-215-872-11	METAL OXIDE METAL OXIDE	39K 100K 3.3K	5% 5% 5%	1/6W 2W 1W	F F	TH651	1-800-944-00 1-800-944-00 A1-806-165-11	THERMISTOR TH	H-4700	E)		
R614 1-216-458-11 R615 1-205-793-00	METAL OXIDE CEMENTED	1.8K 30K	5% 10%	2W 10W	F	 *****	*****	*****	*****	****	*****	****
R616 1-215-772-91 R621 1-215-762-91 R622 1-215-770-91	METAL METAL METAL	27K 10K 22K	5% 5% 5%	1/6W 1/6W 1/6W			*1-611-717-11	N BOARD				
R623 1-215-162-00 R624 1-215-754-91 R625 1-215-786-91	METAL METAL METAL	2.7K 4.7K 100K	5% 5% 5%	1/4W 1/6W 1/6W			*4-342-117-00 *4-342-118-00					
R626 1-215-150-00 R627 1-215-722-91	METAL METAL	820 220	5% 5%	1/4W 1/6W		j I	CAP	ACITOR				
R628 1-215-796-91 R629 1-215-758-91 R630 1-215-112-00 R631 1-205-728-00	METAL METAL METAL CEMENTED	270K 6.8K 22 47	5% 5% 5% 10%	1/6W 1/6W 1/4W 7W		C1 C2 C3 C4	1-123-611-00 1-123-613-00 1-102-112-00 1-123-821-00	ELECT CERAMIC	1MF 3.3MF 330PF 47MF		20% 20% 10% 20%	50V 50V 50V 16V
R632 1-217-192-00	WIREWOUND	0.22	10%	2W	F		DIO	DE				
R633 1-215-798-91 R634 1-215-800-91	METAL METAL	330K 390K	5% 5%	1/6W 1/6W		D1	8-719-110-32	DIODE PH302B				
R635 1-215-756-91 R636 1-215-803-91	METAL METAL	5.6K 510K	5% 5%	1/6W 1/6W			IC					
R637 1-215-770-91	METAL	22K	5%	1/6W		I IC1	8-752-010-60					
R638 1-215-747-91 R639 1-215-754-91	METAL	2.4K 4.7K	5%	1/6W 1/6W				CARRON	47	E o ⁄	1/6W	
R640 A 1-215-200-81 R641 A 1-215-200-81 R651 1-216-455-11	METAL METAL METAL OXIDE	100K 100K 560	5% 5% 5%	1/4W 1/4W 2W	F	R1 R2 R3	1-247-799-00 1-247-775-00 1-214-784-00	CARBON	47 4.7 200K	5% 5% 1%	1/6W 1/4W	
R652 1-216-430-11	METAL OXIDE	390	5%	1W	F	R4		CARBON	22K	5%	1/6W	
R653 1-215-754-91 R654 1-216-464-11 R659 1-215-865-11 R660 1-216-370-11	METAL METAL OXIDE METAL OXIDE METAL OXIDE	4.7K 18K 220 1.2	5% 5% 5% 5%	1/6W 2W 1W 2W	F F F	****** 	************* *A-1296-105-A		, COMPL	ETE	*****	*****
R662 1-215-776-91 R663 1-215-764-91 R664 1-215-200-00 R665 1-215-753-91 R666 1-215-144-00	METAL METAL METAL	39K 12K 100K 4.3K 470	5% 5% 5% 5% 5%	1/6W 1/6W 1/4W 1/6W 1/4W			*4-368-692-11 *4-368-693-11 *4-368-694-11	CASE (UPPER L	_ID), S	HIELD)	

The components identifi⊜d by shading and mark <u>A</u> are critical for safety. Replace only with part number specified.



	J										
Ref.No.	Part No.	Description			Remark	Ref.No.	Part No.	Description			Remark
A 2	*1-564-880-31 *1-560-126-00 *1-564-889-11	PLUG, CONNEC	TOR (2.5MM)	6P		C152 C153 C154 C155 C156	1-101-004-00 1-123-356-00 1-101-004-00 1-123-332-00 1-123-306-00	ELECT CERAMIC ELECT	0.01MF 10MF 0.01MF 47MF 47MF	20% 20% 20%	50V 16V 50V 16V 10V
	CAP	ACITOR				C157	1-123-306-00		47MF	20%	10V
C102 C104 C105 C106	1-123-356-00 1-123-356-00 1-123-356-00 1-123-323-00	ELECT ELECT ELECT	10MF 10MF 10MF 470MF	20% 20% 20% 20%	16V 16V 16V 16V	C158 C159 C160 C164	1-123-379-00 1-102-816-00 1-102-125-00 1-108-620-91	CERAMIC CERAMIC	0.47MF 120PF 0.0047MF 0.0033MF	20% 5% 10% 10%	50V 50V 50V 100V
C107 C108 C109 C110 C111	1-123-330-00 1-136-163-00 1-136-163-00 1-102-963-00 1-123-318-00	FILM FILM CERAMIC ELECT	22MF 0.068MF 0.068MF 33PF 33MF	20% 5% 5% 5% 20%	16V 50V 50V 50V 16V	C165 C167 C168 C169 C170	1-108-620-91 1-108-620-91 1-108-620-91 1-123-356-00 1-123-356-00	MYLAR MYLAR ELECT	0.0033MF 0.0033MF 0.0033MF 10MF	10% 10% 10% 20% 20%	100V 100V 100V 16V 16V
C112 C113 C115 C116 C117	1-102-527-00 1-102-510-00 1-102-852-00 1-102-125-00 1-102-125-00	CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC	82PF 12PF 47PF 0.0047MF 0.0047MF	5% 5% 5% 10% 10%	50V 50V 50V 50V 50V	C171 C172 C173 C174 C175	1-123-318-00 1-123-379-00 1-123-379-00 1-110-190-81 1-110-190-81	ELECT ELECT ELECT MYLAR MYLAR	33MF 0.47MF 0.47MF 0.01MF 0.01MF	20% 20% 20% 10% 10%	16V 50V 50V 400W 400W
C118 C119 C120 C122 C123		CERAMIC MYLAR CERAMIC ELECT CERAMIC	0.0047MF 0.1MF 0.0047MF 22MF 150PF	10% 5% 10% 20% 10%	50V 50V 50V 16V 50V	C176 C177 C179 C180 C181	1-123-380-00 1-123-380-00 1-123-369-00 1-108-620-91 1-123-318-00	ELECT ELECT ELECT MYLAR ELECT	1MF 1MF 4.7MF 0.0033MF 33MF	20% 20% 20% 10% 20%	50V 50V 25V 100V 16V
C124 C125 C126 C127 C128 C129	1-104-069-00 1-101-361-00 1-123-318-00	POLYSTYRENE CERAMIC	470PF 150PF 33MF 0.0047MF 0.01MF	5% 5% 20% 10%	50V 50V 50V 16V 50V 50V 50V	C182 C183 C184 C186 C188	1-123-307-00 1-101-361-00 1-102-973-00 1-102-121-00 1-102-125-00	CERAMIC	100MF 150PF 100PF 0.0022MF 0.0047MF	20% 5% 5% 10% 10%	10V 50V 50V 50V 50V
C130 C131 C132 C133 C134	1-102-125-00 1-123-381-00 1-102-125-00 1-102-125-00	CERAMIC ELECT CERAMIC CERAMIC CERAMIC	0.0047MF 2.2MF 0.0047MF 0.0047MF 0.0047MF	10% 20% 10% 10%	50V 50V 50V 50V 50V	C190 	1-106-220-00	MYLAR CRIMINATOR	O.1MF	10%	100V
C135		CERAMIC	68PF	5%	50 V		FIL	TER			
C136 C137 C138 C139		CERAMIC CERAMIC ELECT CERAMIC	68PF 0.0047MF 1MF 0.0047MF	5% 10% 20% 10%	50V 50V 50V 50V	CF102	1-527-840-00 1-404-134-00 1-527-839-00	TRAP, CERAMIO	(5.5MHZ)		
C140 C141 C142 C143 C144	1-102-125-00 1-123-318-00 1-102-525-00 1-101-004-00 1-123-286-00	CERAMIC ELECT CERAMIC CERAMIC ELECT	0.0047MF 33MF 68PF 0.01MF 0.33MF	10% 20% 5% 20%	50 v	D102 D103 D104 D105 D151	8-719-911-19 8-719-102-71 8-719-911-19 8-719-911-19 8-719-911-19		-N2		
C148 C150	1-102-961-00 1-123-380-00 1-130-072-00 1-110-186-81 1-102-520-00	CERAMIC ELECT FILM MYLAR CERAMIC	27PF 1MF 0.022MF 0.0047MF 39PF	5% 20% 2% 10% 5%	50V 50V 100V 400V 50V	D152 D153 D154 D170	8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19	DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119			
C151	1-101-004-00	CERAMIC	0.01MF		50V	=		10011			



Ref.No. Part No.	Description	Remark	Ref.No.	Part No.	Description				Remark
10			1						
IC101 8-759-909-08 IC102 8-759-909-54 IC103 8-759-602-16 IC151 8-759-007-54 IC152 8-759-007-55	IC TDA3541 IC TDA2546A IC M54572L IC TDA4940		R113 R114 R115 R116 R117	1-215-752-91 1-215-722-91 1-215-742-91 1-215-730-91 1-215-710-91	METAL METAL	3.9K 220 1.5K 470 68	5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
<u>C</u> (<u>oil</u>		R118	1-215-724-91	METAL METAL	270 470	5% 5%	1/6W 1/6W	
L102 1-404-476-00 L103 1-408-399-00 L104 1-408-406-00 L105 1-404-477-00 L106 1-404-493-00) MICRO INDUCTOR 1.5UH) MICRO INDUCTOR 5.6UH) COIL, IF		R119 R120 R122 R125 R125	1-215-730-91 1-215-778-91 1-215-762-91 1-215-736-91 1-215-736-91	METAL METAL METAL METAL	47K 10K 820 820	5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W	
L107 1-404-493-0 L109 1-408-409-0 L110 1-408-406-0 L111 1-404-493-0	O MICRO INDUCTOR 10UH O MICRO INDUCTOR 5.6UH		R127 R131 R132 R134	1-215-736-91 1-215-778-91 1-215-762-91 1-215-782-91	METAL METAL METAL	820 47K 10K 68K	5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W	
L113 1-408-226-0 L115 1-408-405-0 L116 1-408-406-0 L117 1-408-428-0	MICRO INDUCTOR 82UH MICRO INDUCTOR 4.7UH MICRO INDUCTOR 5.6UH MICRO INDUCTOR 390UH		R135 R136 R137 R140 R141	1-215-780-91 1-215-770-91 1-215-770-91 1-215-738-91 1-215-766-91	METAL METAL METAL	56K 22K 22K 1K 15K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
L170 1-408-247-0 L171 1-408-408-0			R142 R143 R144	1-215-786-91 1-215-786-91 1-215-752-91	METAL METAL	100K 100K 3.9K 3.9K	5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W	
Q101 8-729-245-8			R145 R146	1-215-752-91 1-215-754-91	METAL METAL	4.7K	5%	1/6W	
Q102 8-729-105-4 Q103 8-729-204-8 Q104 8-729-900-3 Q105 8-729-204-8	3 TRANSISTOR 2SA1048GR 6 TRANSISTOR DTC124ES 3 TRANSISTOR 2SA1048GR		R151 R152 R153 R154	1-215-736-91 1-215-776-91 1-215-728-91 1-215-714-91	METAL METAL METAL	820 39K 390 100	5% 5% 5%	1/6W 1/6W 1/6W 1/6W	
Q151 8-729-245-8 Q152 8-729-245-8 Q153 8-729-245-8 Q154 8-729-900-8 Q155 8-729-245-8	3 TRANSISTOR 2SC2458 3 TRANSISTOR 2SC2458 9 TRANSISTOR DTC144ES		R155 R156 R157 R158	1-215-770-91 1-215-784-91 1-215-754-91 1-215-754-91	METAL METAL METAL	22K 82K 4.7K 4.7K 4.7K	5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
Q156 8-729-245-8 Q157 8-729-900-8			R159 R160	1-215-754-91 1-215-754-91		4.7K	5%	1/6W	
Q158 8-729-900-8 Q172 8-729-204-8 Q173 8-729-245-8	TRANSISTOR 2SA1048GR TRANSISTOR 2SC2458		R161 R162 R166 R167	1-215-738-91 1-215-738-91 1-215-750-91 1-215-774-91	L METAL L METAL L METAL	1K 1K 3.3K 33K	5% 5% 5%	1/6W 1/6W 1/6W 1/6W	
Q174 8-729-245-8 Q175 8-729-245-8			R168	1-215-770-9		22K 180	5% 5%	1/6W 1/6W	
	ESISTOR		R172 R173 R174 R175	1-215-720-91 1-215-778-91 1-215-796-91 1-215-772-91	L METAL L METAL	47K 270K 27K	5% 5% 5%	1/6W 1/6W 1/6W	
R101 1-215-738-1 R102 1-215-738-1 R105 1-215-762-1 R106 1-215-750-1 R107 1-215-750-1	01 METAL 1K 5% 1/6W 01 METAL 10K 5% 1/6W 01 METAL 3.3K 5% 1/6W	M M M	R176 R177 R178	1-215-738-99 1-215-762-9 1-215-762-9	METAL METAL METAL	1K 10K 10K 10K	5% 5% 5%	1/6W 1/6W 1/6W 1/6W	
R108 1-215-798- R109 1-215-746- R110 1-215-746- R111 1-215-754- R112 1-215-744-	01 METAL 2.2K 5% 1/6W 01 METAL 2.2K 5% 1/6W 01 METAL 4.7K 5% 1/6W	M M	R179 R180 R181	1-215-762-9 1-215-738-9 1-215-740-9	1 METAL	1K 1.2K	5%	1/6W 1/6W	



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Ref.No	o. Part No.	Description				Remark	Ref.No.	Part No.	Description				Remark
R182 R183 R184 R185 R188	1-215-746-91 1-215-738-91 1-215-724-91 1-215-726-91 1-215-766-91	METAL METAL METAL METAL METAL	2.2K 1K 270 330 15K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W		D704 D705 D706 D707 D708	8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19	DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119))			
R191 R192 R193	1-215-732-91 1-215-732-91 1-215-714-91		560 560 100	5% 5% 5%	1/6W 1/6W 1/6W		D709 D710 D711		DIODE 1SS119 DIODE RD13E- DIODE 1SS119	B2			
	VAR	IABLE RESISTO	OR				j I	TRA	INSISTOR				
RV101 RV151	1-228-726-00	RES, ADJ, CE	ERAMIC CA	ARBON ARBON	47K 33K		Q701 Q702 Q703 Q704	8-729-255-12 8-729-255-12 8-729-326-11	TRANSISTOR 2 TRANSISTOR 2	SC2551 SC2551 SC2611			
CUT 10		TER SALL					Q705 		TRANSISTOR 2				
	1 1-404-438-00 TUN	ER	<u>27</u> 2 - A <u>2</u> 3 -	153 4. 3	m = 21.0	ww. * * .	Q706 Q707 Q708 Q709	8-729-200-17	TRANSISTOR 2	SA1091 SA1091			
	1-463-523-11						Q710		TRANSISTOR 2		GR		
*****	************* *A-1330-626-A		IPLETE	****	*****	*****	0712 0713	8-729-204-83 8-729-204-83 8-729-204-83 8-729-900-36	TRANSISTOR 2:	SA1048(SA1048(GR GR		
	1-526-086-XX	SOCKET, CRT						RES	ISTOR				
	CON	NECTOR					 R701	1-215-899-11		15K	5%	2W	F
C1 C3 C4 C5	*1-508-765-00 *1-564-880-31 *1-564-883-11 *1-508-766-00	PLUG, CONNEC PLUG, CONNEC					R704 R705	1-215-899-11 1-215-899-11 1-247-131-00 1-247-131-00	CARBON	15K 15K 1K 1K	5% 5% 5% 5%	2W 2W 1/4W 1/4W	F F F F
	CAP	ACITOR						1-247-131-00 1-247-847-00	CARBON CARBON	1K 4.7K	5% 5%	1/4W 1/6W	F
C701 C702 C703	1-102-116-00 1-102-116-00 1-102-116-00		680PF 680PF 680PF		10% 10% 10%	50V 50V 50V	R709	1-247-847-00 1-247-847-00 1-214-784-00	CARBON	4.7K 4.7K 200K	5% 5% 1%	1/6W 1/6W 1/4W	
C704 C705	1-102-936-00 1-102-936-00	CERAMIC CERAMIC	3PF 3PF		0.25PF 0.25PF	50V	R712	1-214-784-00	METAL METAL CARBON	200K 200K 8.2K	1% 1% 5%	1/4W 1/4W 1/6W	
C706 C707 C708	1-102-936-00 1-123-005-00 1-123-333-00	ELECT	3PF 22MF 100MF		0.25PF 20%	250V 25V	R715	1-247-854-00		8.2K 9.1K	5% 5%	1/6W 1/6W	
C709 C711 C712	1-102-820-00 1-101-880-00	CERAMIC	330PF 47PF		5% 5%	50V 50V	R717 R718	1-247-725-11 1-247-725-11 1-247-725-11	CARBON CARBON	10K 10K 10K	5% 5% 5%	1/4W 1/4W 1/4W	
C713 C715 C741	1-101-880-00 1-101-880-00 1-123-330-00 1-102-030-00	CERAMIC ELECT	47PF 47PF 22MF 330PF		5% 5% 20% 10%	50V 50V 16V 500V	R720		CARBON	1.2K 1.2K	5%	1/6W 1/6W	
C742	1-102-223-00		0.0047		10%	2KV	R722		CARBON	1.2K 3.3K	5%	1/6W 1/6W	
	DIO	DE					R724		CARBON CARBON	3.3K 3.3K	5% 5%	1/6W 1/6W	
D701 D702 D703	8-719-911-19 8-719-911-19 8-719-911-19	DIODE 1SS119				 	R726	1-214-955-00 1-214-788-00	METAL	560K 430K 300K	1%	1/4W 1/4W 1/4W	

The components identified by shading and mark A are tritical for safety. Replace only with part number specified.



Ref.No.	Part No.	Description				Remark	Ref.No.	Part No.	Description				Remark
R 730	1-215-891-11	METAL OXIDE	680	5%	2W	F	! 	CON	NECTOR				
R731 R732	1-249-429-11 1-247-837-00	CARBON CARBON CARBON	10K 1.8K 680	5% 5% 5%	1/6W 1/6W 1/6W		 D19	*1-562-370-21	CONNECTOR, BO	ARD TO	BOARD	18P	
R733 R734	1-247-827-00 1-249-419-11	CARBON	1.5K	5%	1/6W			DIO	DE				
R741	1-202-847-00	SOLID WIREWOUND	560K 0.39	10% 10%	1/2W 1/2W		 D1552	8-719-911-19	DIODE 1SS119				
R742 R743	1-207-458-00 1-202-719-00	SOLID	1M	10%	1/2W		į	IC					
R744 R745	1-202-719-00 1-202-814-91	SOLID SOLID	1M 33K	10% 10%	1/2W 1/2W		 IC1553	8-759-905-39	IC TDA1082				
R746	1-202-824-00	SOLID	3.3K	10%	1/2W		į	<u>C01</u>	<u>L</u>				
R747 R748 R749	1-202-824-00 1-202-824-00 1-202-843-51	SOLID SOLID SOLID	3.3K 3.3K 270K	10% 10%	1/2W 1/2W 1/2W		L1552	1-408-247-00	MICRO INDUCTO MICRO INDUCTO MICRO INDUCTO	R 33MM	Н		
	VAR	IABLE RESISTOR	3				L1554	1-408-245-00	MICRO INDUCTO	R 22MM	H		
RV701		RES, ADJ, CER	RAMIC C	ARBON	4.7K			TRA	NSISTOR				
RV702 RV741 RV742	1-228-723-00 1-226-157-00 1-226-114-00	RES, ADJ, CER RES, ADJ, MET RES, ADJ, MET	TAL GLA	ZE 1M			Q1553 Q1554	8-729-374-02 8-729-195-82	TRANSISTOR 2S TRANSISTOR 2S	B740 C2958			
	SPA	IRK GAP						RES	ISTOR				
SG701	1-519-063-XX	DISCHARGING	GAP					1-247-129-00		820	5%	1/4W	
SG702 SG703	1-519-063-XX 1-519-063-XX	DISCHARGING DISCHARGING					R1556	1-247-815-00 1-247-161-00	CARBON CARBON	220 18K	5% 5%	1/6W 1/4W	
SG704		DISCHARGING	GAP					1-247-861-00 1-247-145-00	CARBON CARBON	18K 3.9K	5% 5%	1/6W 1/4W	
	*******			*****	*****	*****	 R1559	1-246-486-00	CARBON	3.6K	5%	1/4W	
							R1560	1-247-815-00 1-247-702-11	CARBON CARBON	220 150	5% 5%	1/6W 1/4W	
	*A-1340-725-A	D1 BOARD, CO					R1562	1-247-161-00	CARBON CARBON	18K 15	5% 5%	1/4W 1/6W	
	CAI	PACITOR					1	1-247-787-00 1-249-429-11		10K	5% 5%	1/6W	
C1528	1-123-380-00	ELECT	1MF		20%	50 V	R1565	1-216-451-11	METAL OXIDE	120	5%	2W	F
C1554 C1555	1-123-330-00 1-123-356-00	ELECT	22MF 10MF		20% 20%	16V 16V		1-247-825-00 1-247-725-11	CARBON CARBON	560 10K	5% 5%	1/6W 1/4W	
C1556	1-124-009-11	ELECT	47MF		20%	25V 50V	R1568		CARBON	120	5%	1/6W	
C1557	1-123-382-00		3.3MF		20%		R1569	1-216-423-11		27	5%	1W 1/2W	F
C1558 C1559	1-124-661-11 1-106-208-00		100MF 0.033	MF	20% 10%	50 V 100 V	R1570 R1571	1-247-242-00 1-215-865-11	CARBON METAL OXIDE	1.2K 220	5% 5%	1W	F
C1560	1-106-192-00	MYLAR	0.006	8MF	10% 10%	100V 100V		1-247-803-00 1-247-895-00	CARBON CARBON	68 470K	5% 5%	1/6W 1/6W	
C1561 C1562	1-108-637-00 1-123-356-00		0.082 10MF	ML	20%	16V	i						
C1563	1-108-630-91	MVI AR	0.022	MF	10%	100V		1-247-109-00 1-247-831-00		120 1K	5% 5%	1/4W 1/6W	
C1564	1-129-701-00	FILM	0.01M	F	5%	100V	R1577	1-247-153-00	CARBON	8.2K 220K	5% 5%	1/4W 1/6W	
C1565 C1566	1-106-190-00 1-123-357-00		0.005 22MF	6MF	10% 20%	100V 50V		1-247-887-00 1-249-434-11	CARBON CARBON	27K	5%	1/6W	
C1567	1-106-196-00		0.01M	F	10%	100V	İ	1-247-897-00	CARBON	560K	5%	1/6W	
C1568	1-123-333-00	ELECT	100MF		20%	16V	R1581	1-246-517-00	CARBON	6 8K	5%	1/4W	
C1569	1-108-630-91	MYLAR	0.022	MF	10%	1000	R1586	1-247-805-00	CARBON	82	5%	1/6	
C1570 C1571	1-106-196-00 1-108-614-91		0.01M 0.001		10% 10%	100V 100V		VA	RIABLE RESISTOR	?			
C1572	1-102-125-00	CERAMIC	0.004	7MF	10%	50V	 DV156		RES, ADJ, MET		7E 1K		
C1574	1-106-212-00	MYLAK	0.047	PΓ	10%	100V	1 114133	_ 1 00	,,				

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Ref.No. Part No.	Description			Remark	Ref.No.	Part No.	Description			Remark
RV1552 1-228-719-00 RV1553 1-228-720-00 RV1554 1-228-724-00 RV1555 1-228-718-00 RV1556 1-228-723-00	RES, ADJ, CE RES, ADJ, CE RES, ADJ, CE	ERAMIC CARBON ERAMIC CARBON ERAMIC CARBON ERAMIC CARBON ERAMIC CARBON	1K 10K 330		C214 C215 C216 C217 C218	1-123-356-00 1-123-356-00 1-123-356-00 1-102-074-00 1-106-208-00	ELECT ELECT CERAMIC	10MF 10MF 10MF 0.001MF 0.033MF	20% 20% 20% 10% 10%	16V 16V 16V 50V 100V
RV1557 1-228-718-00 RV1559 1-228-724-00 RV1560 1-228-728-00 RV1562 1-228-727-00	RES, ADJ, CE RES, ADJ, CE RES, ADJ, CE	ERAMIC CARBON ERAMIC CARBON ERAMIC CARBON ERAMIC CARBON	10K 100K		C219 C220 C221 C222 C223	1-123-356-00 1-106-212-00 1-108-614-91 1-123-322-00 1-123-380-00	MYLAR	10MF 0.047MF 0.001MF 330MF 1MF	20% 10% 10% 20% 20%	16V 100V 100V 16V 50V
-	RMISTOR				C224	1-123-380-00	ELECT	1MF	20%	50 V
TH1551 1-800-625-00 TH1552 1-806-110-00	THERMISTOR THERMISTOR				C225	1-123-322-00 1-123-330-00	ELECT	330MF 22MF	20 % 20 %	16V 16V
*******	******	*****	*****	*****	C227 C228	1-123-330-00 1-102-945-00	ELECT CERAMIC	22MF 8PF	20% 1PF	16V 50V
*A-1345-540-A	******				 C229 C230 C231	1-102-108-00 1-106-208-00 1-123-333-00	MYLAR ELECT	150PF 0.033MF 100MF	10% 10% 20%	50V 100V 16V
	PACITOR				C232 C233	1-123-330-00 1-102-114-00	ELECT CERAMIC	22MF 470PF	20 % 10 %	16V 50V
C001 1-123-307-00 C002 1-123-381-00 C003 1-102-973-00 C004 1-108-603-00 C005 1-123-356-00	ELECT ELECT CERAMIC MYLAR ELECT	100MF 2.2MF 100PF 0.1MF 10MF	20% 20% 5% 5% 20%	10V 50V 50V 50V 50V	 C234 C235 C236 C237 C238	1-123-379-00 1-123-330-00 1-102-114-00 1-123-379-00 1-108-603-00	ELECT CERAMIC ELECT	0.47MF 22MF 470PF 0.47MF 0.1MF	20% 20% 10% 20% 5%	50V 16V 50V 50V 50V
C006 1-102-959-00 C007 1-102-963-00 C008 1-123-356-00 C009 1-102-114-00 C010 1-123-369-00	CERAMIC CERAMIC ELECT CERAMIC ELECT	22PF 33PF 10MF 470PF 4.7MF	5% 5% 20% 10% 20%	50V 50V 50V 50V 25V	C239 C240 C241 C243	1-108-603-00 1-108-603-00 1-123-333-00 1-123-332-00 1-102-114-00	MYLAR MYLAR ELECT	0.1MF 0.1MF 100MF 47MF 470PF	5% 5% 20% 20%	50V 50V 16V 16V 50V
C011 1-124-253-00 C012 1-101-004-00 C015 1-123-381-00 C016 1-101-810-00 C017 1-123-306-00	ELECT CERAMIC ELECT CERAMIC ELECT	0.47MF 0.01MF 2.2MF 100PF 47MF	20% 20% 5% 20%	50V 50V 50V 500V 10V	C244 C245 C272 C273 C274	1-102-114-00 1-108-603-00 1-123-359-00 1-123-364-00 1-123-359-00		470PF 0.1MF 47MF 1000MF 47MF	10% 10% 5% 20% 20%	50V 50V 50V 50V 50V
C017A 1-123-307-00 C018 1-106-220-00 C019 1-123-306-00 C020 1-102-112-00 C022 1-161-377-00	ELECT MYLAR ELECT CERAMIC CERAMIC	100MF 0.1MF 47MF 330PF 0.0047MF	20% 10% 20% 10% 20%	10V 100V 10V 50V 50V	C270 C277 C278 C279 C280 C281	1-108-603-00 1-123-349-00 1-123-343-00 1-123-349-00		0.1MF 1000MF 33MF 1000MF 100MF	5% 20% 20% 20% 20%	50V 35V 25V 35V 50V
C026 1-102-074-00 C201 1-102-114-00 C202 1-102-074-00 C203 1-123-380-00 C204 1-102-114-00	CERAMIC CERAMIC CERAMIC ELECT CERAMIC	0.001MF 470PF 0.001MF 1MF 470PF	10% 10% 10% 20% 10%	50V 50V 50V 50V 50V	 C282 C283 C284 C285 C288		CERAMIC CERAMIC CERAMIC CERAMIC MYLAR	0.022MF 0.022MF 100PF 100PF 0.022MF	10% 10% 10%	50V 50V 50V 50V 100V
C205 1-123-379-00 C206 1-102-074-00 C207 1-123-380-00 C208 1-123-332-00 C209 1-106-212-00	ELECT CERAMIC ELECT ELECT MYLAR	0.47MF 0.001MF 1MF 47MF 0.047MF	20% 10% 20% 20% 10%	50V 50V 50V 16V 100V	C289 C290 C291 C301 C302	1-108-630-91 1-123-343-00 1-123-343-00 1-102-944-00 1-102-944-00	MYLAR ELECT ELECT CERAMIC CERAMIC	0.022MF 33MF 33MF 7PF 7PF	10% 20% 20% 1 PF 1 PF	100V 25V 25V 50V 50V
C210 1-108-614-91 C211 1-123-380-00 C212 1-123-369-00 C213 1-123-356-00	MYLAR ELECT ELECT ELECT	0.001MF 1MF 4.7MF 10MF	10% 20% 20% 20%	100V 50V 50V 16V	C302 C303 C304 C311	1-102-951-00 1-102-816-00 1-123-323-00	CERAMIC CERAMIC CERAMIC ELECT	15PF 120PF 470MF	5% 5% 20%	50V 50V 16V



Ref.No.	Part No.	Description			Remark	Ref.No.	Part No.	Description			Remark
C312 C313 C314 C315 C316	1-123-279-91 1-123-356-00 1-123-381-00 1-123-381-00 1-108-622-91	ELECT ELECT ELECT ELECT MYLAR	2.2MF 10MF 2.2MF 2.2MF 0.0047MF	20% 20% 20% 20% 10%	50V 25V 50V 50V 100V	C520 C521 C522 C523 C524	1-106-182-00 1-102-157-00 1-123-318-00 1-108-431-00 1-123-162-91	MYLAR CERAMIC ELECT MYLAR ELECT	0.0027MF 560PF 33MF 0.068MF 1MF	10% 10% 20% 10% 20%	100V 500V 16V 200V 50V
C317 C318 C319 C320 C321	1-108-630-91 1-131-345-00 1-123-356-00 1-123-586-00 1-131-345-00	MYLAR TANTALUM ELECT ELECT TANTALUM	0.022MF 0.47MF 10MF 0.1MF 0.47MF	10% 10% 20% 20% 10%	100V 35V 16V 50V 35V	C 525 C 527 C 528 C 529 C 530	1-123-362-00 1-123-360-00 1-123-321-00 1-123-333-00 1-106-359-00	ELECT ELECT ELECT ELECT MYLAR	330MF 100MF 220MF 100MF 0.0047MF	20% 20% 20% 20% 10%	50V 50V 16V 16V 200V
C322 C323 C324 C325 C326	1-131-345-00 1-102-110-00 1-102-110-00 1-136-173-00 1-136-173-00	TANTALUM CERAMIC CERAMIC FILM FILM	0.47MF 220PF 220PF 0.47MF 0.47MF	10% 10% 10% 5% 5%	35V 50V 50V 50V 50V	C531 C532 C540 C543 C544	1-123-382-00 1-106-190-00 1-108-614-91 1-123-360-00 1-123-382-00	ELECT MYLAR MYLAR ELECT ELECT	33MF 0.0056MF 0.001MF 100MF 33MF	20% 10% 10% 20% 20%	50V 100V 100V 50V 50V
C327 C328 C329 C331 C332	1-121-705-00 1-102-973-00 1-101-004-00 1-161-330-00 1-101-880-00	ELECT CERAMIC CERAMIC CERAMIC CERAMIC	2.2MF 100PF 0.01MF 0.01MF 47PF	30% 5% 30% 5%	25V 50V 50V 25V 50V	C545 C546 C551 C552 C553	1-123-379-00 1-123-380-00 1-123-322-00 1-123-333-00 1-123-333-00	ELECT ELECT ELECT ELECT ELECT	0.47MF 1MF 330MF 100MF 100MF	20% 20% 20% 20% 20%	50V 50V 16V 16V 16V
C333 C334 C336 C337 C338	1-123-356-00 1-123-356-00 1-102-858-00 1-102-888-00 1-102-884-00	ELECT ELECT CERAMIC CERAMIC CERAMIC	10MF 10MF 10PF 150PF 33PF	20% 20% 0.5PF 5% 5%	16V 16V 50V 50V 50V		1-108-434-00 1-123-093-00 1-102-157-00 1-102-327-11 1-161-754-11	MYLAR ELECT CERAMIC CERAMIC CERAMIC	0.12MF 22MF 560PF 330PF 0.001MF	10% 20% 10% 15% 10%	200V 160V 500V 1.5KV 3KV
C339 C340 C341 C342 C343	1-102-959-00 1-102-945-00 1-102-947-00 1-102-676-00 1-102-973-00	CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC	22PF 8PF 10PF 68PF 100PF	5% 1 PF 5% 5% 5%	50V 50V 50V 50V 50V	C805 C806 C807 C808	1-108-423-00 1-129-721-00 1-136-179-00 1-136-116-00 1-108-597-00	MYLAR FILM FILM FILM MYLAR	0.015MF 0.039MF 1.5MF 1MF	10% 10% 5% 5%	200V 630V 200V 200V
C344 C346 C347 C348 C501	1-123-379-00 1-123-333-00 1-108-622-91 1-123-379-00 1-108-630-91	ELECT ELECT MYLAR ELECT MYLAR	0.47MF 100MF 0.0047MF 0.47MF 0.022MF	20% 20% 10% 20% 10%	50V 16V 100V 50V 100V	C810 C812 C813 C814	1-106-196-00 1-102-223-00 1-106-220-00 1-123-005-00	MYLAR CERAMIC MYLAR ELECT	0.01MF 0.0047MF 0.1MF 22MF	10% 10% 10%	100V 2KV 100V 250V
C502 C503 C504 C505 C506	1-136-171-00 1-136-171-00 1-102-108-00 1-123-380-00 1-123-330-00	FILM CERAMIC ELECT	0.33MF 0.33MF 150PF 1MF 22MF	5% 5% 10% 20% 20%	50V 50V 50V 50V 16V	C815 C816 C818 C819 C821	1-123-362-00 1-102-030-00 1-136-086-00 1-130-061-00 1-102-038-00	ELECT CERAMIC FILM FILM CERAMIC	330MF 330PF 0.017MF 0.0015MF 0.001MF	20% 10% 3% 10%	500V 2KV 630V 500V
C507 C508 C509 C510 C511	1-106-224-00 1-123-356-00 1-123-369-00 1-123-323-00 1-123-379-00	ELECT ELECT ELECT	0.15MF 10MF 4.7MF 470MF 0.47MF	10% 20% 20% 20% 20%	100V 16V 25V 16V 50V	C822 C824 C825 C828 	1-102-038-00 1-106-200-00 1-136-184-00 1-102-114-00	CERAMIC MYLAR MYLAR CERAMIC	0.001MF 0.015MF 0.68MF 470PF	10% 10% 10%	500V 100V 250V 50V
C512 C513	1-106-220-00 1-130-023-00		0.1MF 0.0027MF	10% 5%	100V 50V	CF001	1-527-790-00	•	CERAMIC		
C514 C515 C516	1-123-332-00 1-106-220-00 1-123-357-00	ELECT MYLAR	47MF 0.1MF 22MF	20% 10% 20%	16V 100V 50V	 CN201	1-561-534-00	NNECTOR SOCKET, PIN	21P		
C517 C518 C519	1-102-030-00 1-129-742-00 1-123-931-00	CERAMIC FILM	330PF 0.018MF 3.3MF	10% 10% 20%	500V 400V 160V	CN251	1-536-813-21 1-536-813-21 1-536-813-21	TERMINAL BOX	ARD, INPUT/O	UTPUT	

The components identified by shading and mark A are critical for safety. Replace only with part number specified.



Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
D 3 D4	*1-564-880-31 *1-564-885-11	PLUG, CONNECTOR (2.5MM PITCH) PLUG, CONNECTOR 3P PLUG, CONNECTOR 8P 3P PLUG (M) PLUG, CONNECTOR (2.5MM) 3P		D303 D304 D305 D306 D307	8-719-911-19 8-719-911-19 8-719-911-19	DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119	
D8 D10 D12	*1-564-883-11 *1-564-889-11 *1-508-766-00 *1-508-786-00 *1-564-883-11	4P PLUG (M)		D308 D309 D501 D503 D504	8-719-911-19 8-719-911-19 8-719-924-06	DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE ERC24-06S DIODE ERC24-06S	
D16 D17 D18	*1-560-290-00 *1-560-126-00	PLUG, CONNECTOR (2.5MM PITCH) PLUG, CONNECTOR (2.5MM PITCH) PLUG, CONNECTOR (2.5MM PITCH) PLUG, CONNECTOR (2.5MM) 6P CONNECTOR, BOARD TO BOARD 18P		D505 D506 D507 D551 D552	8-719-911-19 8-719-924-06 8-719-911-19	DIODE ERC24-06S DIODE 1SS119 DIODE ERC24-06S DIODE 1SS119 DIODE 1SS119	
D21 D22 D23	*1-560-123-00 *1-560-127-00 *1-560-126-00	CONNECTOR, BOARD TO BOARD 18P PLUG, CONNECTOR (2.5MM PITCH) PLUG, CONNECTOR (2.5MM PITCH) PLUG, CONNECTOR (2.5MM PITCH) 1P PLUG		D553 D554 D555 D801 D802	8-719-924-06		
D26 D27 D28	*1-560-290-00 *1-508-784-00	1P PLUG 1P PLUG PLUG, CONNECTOR (2.5MM PITCH) 1P PLUG PLUG, CONNECTOR (2.5MM PITCH)		D803 D804 D806 D807			
DY1	*1-508-765-00	3P PLUG (M)				AY LINE	
	*1-508-765-00 *1-508-766-00			DL 301	1-415-427-11 1-415-122-31	DELAY LINE, Y DELAY LINE, 1H (PAL)	
	TRIMMER				IC		
CV301	1-141-181-11	CAP, TRIMMER				IC CX523-113P	
D001 D002	8-719-911-19	DIODE 1SS119		IC201 IC202	8-759-600-92 8-759-914-76 8-752-006-10 8-749-943-62	IC CX20199 IC CX20061	
D004 D005 D006	8-719-101-02	DIODE 1SS119 IC UPC574J DIODE RD30E-B4		IC301 IC551	6-066-720-60 8-759-915-46		
D008 D010	8-719-911-19 8-719-911-19			 	MOD	ULE	
D061 D201 D205	8-719-911-19	DIODE RD5.6E-B2 DIODE 1SS119 DIODE RD7.5E-B2		IC302		CONTROL MODULE, PICTURE	
	8-719-911-19				<u>C01</u>	<u>L</u>	
D212 D213 D214 D215	8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19	DIODE 1SS119 DIODE 1SS119 DIODE 1SS119		L001 L251 L252 L301 L302	1-459-407-00 1-459-407-00 1-404-495-00	MICRO INDUCTOR 220UH COIL, FERRITE CHOKE COIL, FERRITE CHOKE COIL MICRO INDUCTOR 18UH	
D216 D217 D218 D219 D271	8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19 8-719-200-02	DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1OE2		L304 L306 L307 L308 L310	1-408-408-00 1-410-260-11 1-410-261-11 1-408-415-00	MICRO INDUCTOR 8.2UH MICRO INDUCTOR 33UH MICRO INDUCTOR 5.6UH MICRO INDUCTOR 33UH MICRO INDUCTOR 100UH	
				l L801	1-407-365-00	COIL, CHOKE	



Ref.No	. Part No.	Description COIL, CHOKE COIL, HORIZONTAL LINEARITY COIL, FERRITE (PMC) MICRO INDUCTOR 4.7MMH COIL, CHOKE COIL, CHOKE HOT COIL, CHOKE COIL, VAR, FERRITE (PAC) NSISTOR TRANSISTOR 2SA1048GR TRANSISTOR 2SC2458 TRANSISTOR 2	Remark	Ref.No.	Part No.	Description				Remark
L802	1-421-329-00	COIL, CHOKE		R002	1-247-831-00	CARBON	1K	5%	1/6W	
L803	1-459-125-00	COIL, HORIZONTAL LINEARITY		R003	1-247-831-00		1K	5%	1/6W	
L 804	1-421-390-00	COIL, FERRITE (PMC)		R004	1-247-815-00		220	5%	1/6W	
L805	1-408-239-00	MICRO INDUCTOR 4.7MMH		R005	1-247-815-00		220	5%	1/6W	
L806	1-421-329-00	COIL, CHOKE		1 KOO6	1-247-815-00	CARBON	220	5%	1/6W	
L 808	1-407-365-00	CUIL CHUKE		I I R007	1-247-815-00	CARBON	220	5%	1/6W	
L 809	1-437-090-00	HDT		1 R008	1-247-815-00		220	5%	1/6W	
L810	1-407-365-00	COIL, CHOKE		R009	1-247-815-00		220	5%	1/6W	
L891	1-459-338-00	COIL, VAR, FERRITE (PAC)		R010	1-247-815-00		220	5%	1/6W	
	704	NCTCTOR		R011	1-247-815-00	CARBON	220	5%	1/6W	
	IKA	W21210K		I R012	1-247-799-00	CARBON	47	5%	1/6W	
0001	8-729-204-93	TRANSISTOR 2SA1048GR		R013	1-247-815-00		220	5%	1/6W	
Q003	8-729-245-83	TRANSISTOR 2SC2458		R014	1-247-847-00		4.7K		1/6W	
Q004	8-729-245-83	TRANSISTOR 2SC2458		R015	1-247-847-00		4.7K		1/6W	
Q006	8-729-245-83	TRANSISTOR 2SC2458		R016	1-247-721-11	CARBON	4.7K	5%	1/4W	
Q007	8-729-603-50	TRANSISTOR 2SC403SP		1 0017	1 247 712 11	CARRON	14	E e/	1 / / / / /	
800g	8-729-245-83	TRANSISTOR 25C 2458		1 RO17	1-247-713-11 1-247-831-00	CARBON	1K 1K	5% 5%	1/4W 1/6W	
0009	8-729-245-83	TRANSISTOR 2SC2458		R021	1-247-859-00		15K	5%	1/6W	
Q011	8-729-245-83	TRANSISTOR 2SC 2458		R022	1-247-859-00		15K	5%	1/6W	
Q201	8-729-245-83	TRANSISTOR 2SC2458		R023	1-247-807-00	CARBON	100	5%	1/6W	
Q206	8-729-245-83	TRANSISTOR 2SC2458		D004	1 047 001 00	CARRON	111		1.4614	
Q207	8-720-204 92	TRANSISTOR 25A10A9CD		1 RUZ4	1-247-831-00 1-247-863-00		1K 22K	5% 5%	1/6W 1/6W	
Q208	8-729-204-83	TRANSISTOR 2SA1048GR		I R026	1-247-859-00		15K	5%	1/6W	
Q301	8-729-245-83	TRANSISTOR 2SC2458		R027	1-247-708-11		470	5%	1/4W	
Q309	8-729-245-83	TRANSISTOR 2SC2458		R028	1-247-163-00		22K	5%	1/4W	
Q310	8-729-245-83	TRANSISTOR 2SC2458								
0.21.1	0 700 045 00	TRANSISTOR OCCOASO		R029	1-247-863-00		22K	5% 5~	1/6W	
Q311 Q312	8-729-245-83	TRANSISTOR 2502458		I RO30	1-247-163-00 1-247-163-00		22K 22K	5% 5%	1/4W 1/4W	
Q313	8-729-245-83	TRANSISTOR 2SC2458		R032	1-247-863-00		22K	5%	1/6W	
Q502	8-729-204-83	TRANSISTOR 2SA1048GR		R033	1-247-863-00		22K	5%	1/6W	
Q504	8-729-204-83	TRANSISTOR 2SA1048GR								
Q505	0 700 100 00	TO ANGLETOD 2002000		R034	1-247-863-00		22K	5% 5~	1/6W	
Q506	8-729-168-82	TRANSISTOR 2502600A		I DO27	1-247-863-00 1-247-831-00		22K 1K	5% 5%	1/6W 1/6W	
QSOO	4-303-483-00	HEAD. WASHER. TAPPING SCREW: 050	6	I R038	1-247-831-00		2.7K	5%	1/6W	
	*4-342-076-00	HEAT SINK, V.OUT; Q506	•	R039	1-247-807-00		100	5%	1/6W	
Q507	8-729-122-02	TRANSISTOR 2SA122OA		İ						
	4 202 402 00	UEAD MACHED TARRENC COREM OF	,	R040	1-247-863-00		22K	5%	1/6W	
0508	4-303-483-00 8-729-195-82	TRANSISTOR SCCSOFR	/	1 PO42	1-247-867-00 1-247-823-00		33K 470	5% 5%	1/6W 1/6W	
Q510	8-729-245-83	TRANSISTOR 25C2938		I R043	1-247-823-00	CARBON	470	5%	1/6W	
Q511	8-729-245-83	TRANSISTOR 2SC 2458		R044	1-247-831-00		1K	5%	1/6W	
Q512	8-729-900-36	TRANSISTOR DTC124ES		İ						
0514	0 700 045 55	TRANSISTOR OCCUASO		R045	1-247-713-11		1K	5%	1/4W	
Q514 Q551	8-729-245-83	TRANSISTOR 2SC2458		RU46	1-247-847-00		4.7K		1/6W	
Q552	8-729-177-43	TRANSISTOR 2SB740		1 RO47	1-247-807-00 1-249-437-11		100 47K	5% 5%	1/6W 1/6W	
Q802	8-729-300-90	TRANSISTOR 2SD1497-06		I R049	1-216-464-11		18K	5%	2W I	:
•	4-365-216-00	HEAT SINK, V.OUT; Q506 TRANSISTOR 2SA1220A HEAD, WASHER, TAPPING SCREW; Q50 TRANSISTOR 2SC2958 TRANSISTOR 2SC2458 TRANSISTOR DTC124ES TRANSISTOR DTC124ES TRANSISTOR 2SC2458 TRANSISTOR 2SD774 TRANSISTOR 2SD774 TRANSISTOR 2SD774 TRANSISTOR 2SD776 SPACER, MICA; Q802		1				3,0		
				R050	1-217-387-00	FUSIBLE	10	5%	1/4W F	•
0003	*4-368-683-01	SPRING; Q802		R052	1-247-713-11	CARBON	1K	5%	1/4W	
Q803	8-719-801-06 4-365-216-00	THYRISTOR S6344G SPACER, MICA; Q803		R053 R054	1-247-883-00 1-247-815-00	CARBON CARBON	150K 220	5% 5%	1/6W 1/6W	
	*4-368-683-01	SPRING; Q803		R056	1-247-859-00	CARBON	15K	5%	1/6W	
				i	503 00				-, -,	
	RES	ISTOR		R057	1-249-429-11	CARBON	10K	5%	1/6W	
R001	1 247 021 00	CARRON 1V FW 1/CU		R060	1-247-825-00	CARBON	560	5%	1/6W	
K001	1-247-831-00	CARBON 1K 5% 1/6W		R201	1-247-125-00	CARBON	560	5%	1/4W	



Ref.No. Part No.	Description				Remark	Ref.No.	Part No.	Description				Remark
R202 1-247-125-00 R203 1-247-721-11 R204 1-247-721-11 R205 1-247-153-00 R206 1-247-869-00	CARBON CARBON CARBON CARBON CARBON	560 4.7K 4.7K 8.2K 39K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/6W		 R285 R286 R287 R288 R289	1-247-847-00 1-247-849-00 1-247-879-00 1-247-881-00 1-249-437-11	CARBON CARBON CARBON CARBON CARBON	4.7K 5.6K 100K 120K 47K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R 207	CARBON CARBON CARBON CARBON CARBON	3.3K 3.3K 10K 10K 1.5K	5% 5% 5% 5% 5%	1/4W 1/6W 1/6W 1/6W 1/4W		R297 R298 R301 R302 R303	1-247-823-00 1-247-823-00 1-247-135-00 1-249-419-11 1-247-816-00	CARBON CARBON CARBON CARBON CARBON	470 470 1.5K 1.5K 240	5% 5% 5% 5% 5%	1/6W 1/6W 1/4W 1/6W 1/6W	
R213 1-247-895-00 R214 1-249-419-11 R216 1-249-429-11 R217 1-247-831-00 R218 1-247-887-00	CARBON CARBON CARBON CARBON CARBON	470K 1.5K 10K 1K 220K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W		R304 R305 R306 R307 R308	1-249-429-11 1-247-823-00 1-247-823-00 1-247-827-00 1-247-847-00	CARBON CARBON CARBON CARBON CARBON	10K 470 470 680 4.7K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R219 1-247-887-00 R220 1-247-104-00 R221 1-247-708-11 R222 1-247-873-00 R228 1-247-873-00	CARBON CARBON CARBON CARBON CARBON	220K 75 470 56K 56K	5% 5% 5% 5% 5%	1/6W 1/4W 1/4W 1/6W 1/6W		R319 R323 R324 R325 R326	1-247-713-11 1-247-837-00 1-247-825-00 1-246-463-00 1-247-877-00	CARBON CARBON CARBON CARBON CARBON	1K 1.8K 560 390 82K	5% 5% 5% 5% 5%	1/4W 1/6W 1/6W 1/4W 1/6W	
R229 1-247-823-00 R230 1-247-831-00 R231 1-247-821-00 R232 1-247-688-11 R233 1-247-823-00	CARBON CARBON CARBON CARBON CARBON	470 1K 390 10 470	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/4W 1/6W		R332 R333 R334 R335 R336	1-247-825-00 1-247-849-00 1-247-151-00 1-249-437-11 1-249-429-11	CARBON CARBON CARBON CARBON CARBON	560 5.6K 6.8K 47K 10K	5% 5% 5% 5% 5%	1/6W 1/6W 1/4W 1/6W 1/6W	
R234 1-247-877-00 R235 1-247-903-00 R236 1-249-429-11 R237 1-249-421-11 R238 1-247-837-00	CARBON CARBON CARBON CARBON CARBON	82K 1M 10K 2.2K 1.8K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W		R337 R338 R339 R340 R341	1-249-429-11 1-247-831-00 1-247-831-00 1-247-821-00 1-247-821-00	CARBON CARBON CARBON CARBON CARBON	10K 1K 1K 390 390	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R239 1-249-421-11 R240 1-249-429-11 R242 1-249-429-11 R243 1-247-861-00 R244 1-249-460-11	CARBON CARBON CARBON CARBON CARBON	2.2K 10K 10K 18K 15K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/4W		R342 R343 R344 R345 R347	1-247-903-00 1-247-879-00 1-247-149-00 1-247-882-00 1-247-825-00	CARBON CARBON CARBON CARBON CARBON	1M 100K 5.6K 130K 560	5% 5% 5% 5% 5%	1/6W 1/6W 1/4W 1/6W 1/6W	
R245 1-249-437-11 R247 1-247-137-00 R248 1-247-713-11 R249 1-247-137-00 R251 1-247-807-00	CARBON CARBON CARBON CARBON CARBON	1K	5% 5% 5% 5% 5%	1/6W 1/4W 1/4W 1/4W 1/6W		R348 R349 R350 R351 R352	1-247-827-00 1-247-849-00 1-247-853-00 1-247-863-00 1-247-837-00	CARBON CARBON CARBON CARBON CARBON	680 5.6K 8.2K 22K 1.8K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R252 1-247-807-00 R253 1-247-807-00 R254 1-247-807-00 R255 1-247-143-00 R256 1-247-143-00		100 100 100 3.3K 3.3K		1/6W 1/6W 1/6W 1/4W 1/4W		R353 R354 R356 R357 R358	1-247-843-00 1-247-883-00 1-247-857-00 1-247-849-00 1-247-861-00		3.3K 150K 12K 5.6K 18K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R257 1-247-104-00 R278 1-217-387-00 R279 1-217-387-00 R280 1-247-879-00 R281 1-247-849-00	CARBON FUSIBLE FUSIBLE CARBON CARBON	75 10 10 100K 5.6K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/6W 1/6W		R359 R360 R362 R364 R365	1-247-717-11 1-249-421-11	CARBON CARBON CARBON CARBON CARBON	15K 68K 2.2K 2.2K 12K	5% 5% 5% 5% 5%	1/6W 1/4W 1/4W 1/6W 1/6W	
R282 1-247-847-00 R283 1-247-713-11 R284 1-247-107-00	CARBON CARBON CARBON	4.7K 1K 100	5% 5% 5%	1/6W 1/4W 1/4W	F	R366 R367 R368		CARBON CARBON CARBON	2.2K 220 220	5% 5% 5%	1/4W 1/6W 1/6W	

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	_												
Ref.No.	Part No.	Description				Remark	<u>Ref.No.</u>	Part No.	Description				Remark
R 369	1-247-815-00	CARBON	220 470	5% 5%	1/6W		R547	1-212-990-00	FUSIBLE	220 1.2	5%	1/2W	F F
R370 R371	1-247-708-11 1-247-807-00	CARBON CARBON	100	5%	1/4W 1/6W		R548 R549	1-216-350-11 1-247-807-00	METAL OXIDE CARBON	100	5% 5%	1W 1/8W	r F
R373	1-247-713-11	CARBON	1K	5%	1/4W		R550	1-246-537-00	CARBON	470K	5%	1/4W	
R376	1-246-507-00	CARBON	27K	5%	1/4W		R551	1-217-383-00	FUSIBLE	4.7	5%	1/4W	F
R377	1-246-507-00	CARBON	27K	5%	1/4W		R552	1-217-383-00	FUSIBLE	4.7	5%	1/4W	F
R378 R379	1-247-861-00 1-247-864-00	CARBON CARBON	18K 24K	5% 5%	1/6W 1/6W		R553 R554	1-210-859-00 1-247-847-00	CARBON CARBON	1.2 4.7K	5% 5%	1/8W 1/6W	F
R380	1-247-877-00	CARBON	82K	5%	1/6W		R555	1-249-421-11	CARBON	2.2K	5%	1/6W	
R382	1-247-831-00	CARBON	1K	5%	1/6W		R556	1-216-350-11	METAL OXIDE	1.2	5%	1W	F
R 38 3	1-247-831-00	CARBON	1K	5%	1/6W		R557	1-247-819-00	CARBON	330	5%	1/6W	
R 385 R 386	1-247-841-00 1-247-841-00	CARBON CARBON	2.7K 2.7K	5% 5%	1/6W 1/6W		R558 R559	1-247-895-00 1-247-143-00	CARBON CARBON	470K 3.3K	5% 5%	1/6W 1/4W	
R387	1-247-841-00	CARBON	2.7K	5%	1/6W		R560	1-249-421-11	CARBON	2.2K	5%	1/6W	
R 390	1-247-173-00	CARBON	56K	5 %	1/4W		R571	1-247-889-00	CARBON	270K	5%	1/6W	
R 504	1-247-841-00	CARBON	2.7K	5%	1/6W		R572	1-247-879-00	CARBON	100K	5%	1/6W	
R505	1-247-843-00	CARBON	3.3K	5%	1/6W		R573	1-247-903-00	CARBON	1M	5%	1/6W	
R506 R507	1-247-833-00	CARBON CARBON	1.2K 1K	5% 5%	1/6W 1/6W		R574 R575	1-247-903-00 1-247-177-00	CARBON CARBON	1M 82K	5% 5%	1/6W 1/4W	
R508	1-215-461-00	METAL	47K	1%	1/6W		R578	1-247-704-11	CARBON	220	5%	1/4W	
R 509	1-215-477-00	METAL	220K	1%	1/6W		R591	1-247-725-11	CARBON	10K	5%	1/4W	
R510	1-247-851-00	CARBON	6.8K	5%	1/6W		R592	1-247-153-00	CARBON	8.2K	5 %	1/4W	
R511 R512	1-247-805-00 1-247-829-00	CARBON CARBON	82 820	5% 5%	1/6W 1/6W		R593 R594	1-247-847-00 1-247-863-00	CARBON CARBON	4.7K 22K	5% 5%	1/6W 1/6W	
R513	1-247-857-00	CARBON	12K	5%	1/6W		R595	1-247-857-00	CARBON	12K	5%	1/6W	
R514	1-247-831-00	CARBON	1K	5%	1/6W		 R596	1-247-843-00	CARBON	3.3K	5%	1/6W	
R515	1-247-700-11	CARBON	100	5%	1/4W		R597	1-247-145-00	CARBON	3.9K	5% 5%	1/4W	
R516 R517	1-247-717-11 1-246-511-00	CARBON CARBON	2.2K 39K	5% 5%	1/4W 1/4W		R598 R599	1-247-849-00 1-247-815-00	CARBON CARBON	5.6K 220	5%	1/6W 1/6W	
R520	1-214-765-00	METAL	33K	1%	1/4W		R801	1-216-345-11	METAL OXIDE	0.47	5%	1W	F
R521	1-216-464-11	METAL OXIDE	18K	5%	2W	F	R802	1-247-137-00	CARBON	1.8K	5%	1/4W	
R522 R523	1-247-883-00	CARBON CARBON	150K 100	5% 5%	1/6W 1/8W	F	R803 R804	1-247-803-00 1-215-871-11	CARBON METAL OXIDE	68 2.2K	5% 5%	1/6W 1W	F
R524	1-215-869-11	METAL OXIDE	1K	5%	1W	F	R805	1-215-866-11	METAL OXIDE	330	5%	1W	F
R525	1-247-795-00	CARBON	33	5%	1/8W	F	R806	1-202-838-00	SOLID	100K	10%	1/2W	
R526	1-249-421-11	CARBON	2.2K	5%	1/6W	_	R807	1-202-818-00	SOLID	1K	10%	1/2W	
R527 R528	1-247-783-00	CARBON CARBON	10 18K	5% 5%	1/8W 1/4W	F	R808 R809	1-202-826-00 1-244-931-00	SOL I D CARBON	4.7K 270K	10% 5%	1/2W 1/2W	
R529 ·	1-247-711-11	CARBON	680	5%	1/4W		R810	1-210-859-00	CARBON	1.2	5%	1/8W	F
R530	1-247-891-00	CARBON	330K	5%	1/6W		R811	1-249-448-11	CARBON	1.2	5%	1/4W	F
R531	1-246-463-00	CARBON	390	5%	1/4W		R812	1-247-270-00	CARBON	18K	5%	1/2W	_
R532 R533	1-247-143-00 1-247-859-00	CARBON CARBON	3.3K 15K	5% 5%	1/4W 1/6W		R813 R814	1-215-883-11 1-246-537-00	METAL OXIDE CARBON	33 470K	5% 5%	2W 1/4W	F
R534	1-247-787-00		15	5%	1/6W		R815	1-216-455-11	METAL OXIDE	560	5%	2W	F
R535	1-247-783-00	CARBON	10	5%	1/6W		R817	1-216-378-11	METAL OXIDE	5.6	5%	2W	F
R536	1-216-354-11	METAL OXIDE	2.7	5%	1W	F	R820	1-215-884-11	METAL OXIDE	47	5%	2W	F
R537 R538	1-247-879-00 1-247-754-11	CARBON CARBON	100K 1.5K	5% 5%	1/6W 1/2W	F	R825 R826	1-215-905-11 1-215-905-11	METAL OXIDE METAL OXIDE	10 10	5% 5%	3W 3W	F F
R539	1-247-877-00	CARBON	82K	5%	1/6W						0,0	···	•
R540	1-246-507-00	CARBON	27K	5%	1/4W		1	VAR	IABLE RESISTOR				
R541	1-247-823-00	CARBON	470	5%	1/6W			1-228-720-00	RES, ADJ, CER				
R543 R544	1-247-895-00 1-202-463-92	CARBON SOLID	470K 2.2M	5% 10%	1/6W 1/4W			1-228-724-00 1-228-725-00		AMIC C	ARBON ARBON	10K	
11077		JULIU	e • 611	10/0	1/ 48		1 117303	1-220-723-00	nes, Aug, cen		, INDUM		

RV401 1-228-578-00 RES, VAR, CARBON 10K RV402 1-228-578-00 RES, VAR, CARBON 10K

D H1 H2 J1	
Ref.No. Part No. Description Remark	Ref.No. Part No. Description Remark
RV501 1-226-776-00 RES, ADJ, METAL GLAZE 220K RV502 1-226-775-00 RES, ADJ, METAL GLAZE 100K RV503 1-230-522-11 RES, ADJ, CEPANIC CAPPON IN	RV403 1-228-578-00 RES, VAR, CARBON 10K RV404 1-228-578-00 RES, VAR, CARBON 10K
RV558 1-228-720-00 RES, ADJ, CERAMIC CARBON 1K	SWITCH
SPARK GAP	SW401
SG801 1-519-063-XX DISCHARGING GAP	SW408 1-553-329-00 SWITCH, PUSH (MONO KEY) SW411 1-553-329-00 SWITCH, PUSH (MONO KEY)
TRANSFORMER	SW412 1-553-329-00 SWITCH, PUSH (MONO KEY)
T301 1-426-121-00 DAT T801 1-437-090-00 HDT T802 1-439-331-41 TRANSFORMER ASSY, FLYBACK T891 1-421-245-11 TRANSFORMER, PZN CUSHION	SW413
THERMISTOR	
TH501 1-806-213-00 THERMISTOR	SW418
CRYSTAL	 ***********************************
X301 1-527-789-00 VINRATOR, CRYSTAL	*1-612-977-21 H2 BOARD *******

*1-612-976-21 H1 BOARD	*4-373-201-01 COVER, LED HOLDER *4-373-202-01 HOLDER, LED
CAPACITOR	DIODE
C401 1-123-617-00 ELECT 10MF 20% 16V	LED401 8-719-908-08 DIODE SL-1274
C403 1-123-616-00 ELECT 4.7MF 20% 25V	*1-526-638-00 SOCKET, IC (9P); LED401 LED402 8-719-903-11 DIODE QL-9PR24 LED404 8-719-903-11 DIODE QL-9PR24
DIODE	LED404 8-719-903-11
D401 8-719-911-19 DIODE 1SS119 D402 8-719-911-19 DIODE 1SS119	LED406 8-719-903-11 DIODE GL-9PR24
D403 8-719-911-19 DIODE 1SS119	RESISTOR
D404 8-719-911-19 DIODE 1SS119 D405 8-719-911-19 DIODE 1SS119	R407
D406 8-719-911-19 DIODE 1SS119 D407 8-719-911-19 DIODE 1SS119	R412
D409 8-719-911-19 DIODE 155119	
CONNECTOR	*1-614-116-11
H4 *1-560-278-00 PLUG, CONNECTOR 9P	<u>JACK</u>
H5	CN901 1-507-657-00 JACK (LARGE TYPE)
RESISTOR	CONNECTOR
R401 1-247-847-00 CARBON 4.7K 5% 1/6W	J1 *1-560-126-00 PLUG, CONNECTOR (2.5MM PIT(H)
R402 1-247-847-00 CARBON 4.7K 5% 1/6W R405 1-247-849-00 CARBON 5.6K 5% 1/6W	RESISTOR
R406 1-247-849-00 CARBON 5.6K 5% 1/6W	R901 1-247-708-11 CARBON 470 5% 1/4W
VARIABLE RESISTOR	R902 1-247-708-11 CARBON 470 5% 1/4W

The components identified by shading and mark A are Critical for safety. Replaceonly with part number specified.

Ref.No. Part No.	Description	Remark
	CELLANEOUS *******	
1-451-242-31 1-452-032-00	COIĹ, DEGAUSSING DEFLECTION YOKE (SY-88S) MAGNET, DISK; 10MM Ø	
1-543-179-00	MAGNET, BMC CRT NECK ASSY (NA291) CORE, RING	
RV9014. 1-226-733-13	RESISTOR ASSY, HIGH-VOLTAGE SWITCH, PUSH (AC POWER)(1 KEY) SPEAKER (WOOFER) SPEAKER (TWEETER)	
SP904 1-503-314-11 V901 A 8-737-451-05		******

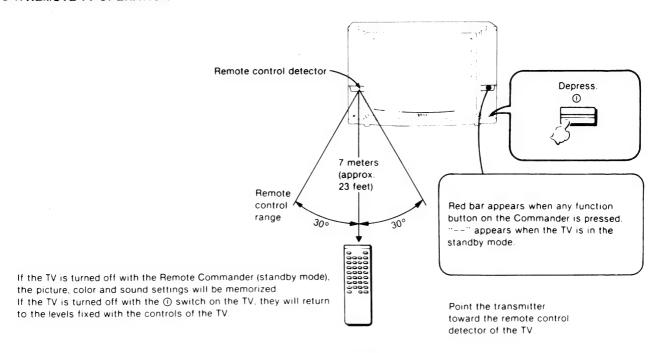
ACCESSORIES AND PACKING MATERIALS

Part No.	Description	Remark
A-1470-625-A 4-312-246-00 *4-373-282-01 *4-373-283-01 *4-373-286-01 4-482-107-11	COMMANDER ASSY (RM-635) BAG, PROTECTION CUSHION (UPPER) (ASSY) INDIVIDUAL CARTON CUSHION (LOWER) MANUAL, INSTRUCTION	
4-482-107-81	MANUAL, INSTRUCTION	

The components identified by shading and mark ♠ are critical for safety. Replace only with part number specified.

SECTION 5 REMOTE COMMANDER

5-1. REMOTE TV OPERATION



FUNCTION OF THE BUTTONS ON THE REMOTE COMMANDER

Each button has different functions for normal TV, teletext and VTR operations.

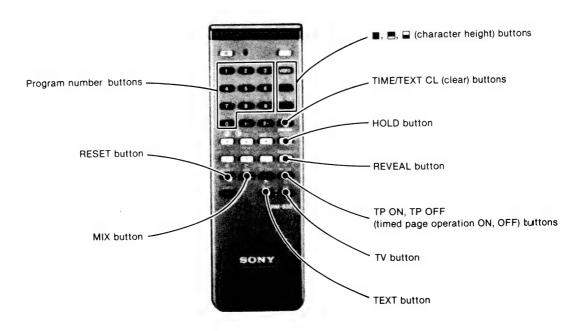
Functions for operating the TV are indicated **in white or black**. Functions for operating the video tape recorder* are indicated **in brown**.

Buttons used for teletext operations

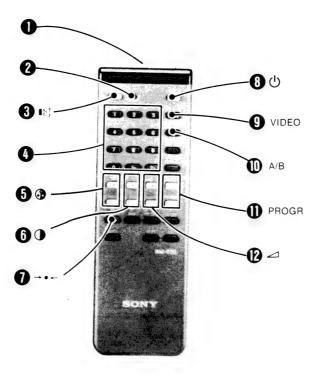
The following functions are for operating the TV as a teletext display by installing the optional Sony OPK-203 teletext adaptor. For details, please consult a dealer prepared to install a teletext adaptor.

Functions for teletext operation using the optional OPK-203 teletext adaptor are indicated in green.

* This Remote Commander can control the Sony SL-F1E combined with the TT-F1 series tuner timer unit, and Sony SL-C9 series.



Buttons used for normal TV operation



Transmitter

Point towards the remote control detector.

@ Pilot lamp

Lights when any button on the Remote Commander is pressed. If the lamp does not light when the button is pressed, battery replacement is required.

⊕ ∎E: (sound mute) button

When you want to mute the sound (to answer the telephone, for instance), press this button. To restore the sound, press this button again.

Program number buttons

Programs are displayed by pressing the corresponding numbers. For programs 1 through 9, press the appropriate single-digit button

For programs 10 through 19, press the [f] button (the tens-digit "/" will blink on the program indicator), then the button corresponding to the last digit of the program number (the tens-digit will now stop blinking). For example:

for program 10, press 1- and 0 for program 11, press 1- and 1

For programs 20 to 29, press the $\left[2\bar{-}\right]$ button and then the single-digit button.

For program 30, press the [0] button.

Note: If you do not press a single-digit button within several seconds after pressing the $\begin{bmatrix} 1 \end{bmatrix}$ or $\begin{bmatrix} 2 \end{bmatrix}$ button, the previous program setting will be automatically recalled.

3 (color) buttons

Adjust the color intensity. Press the + button to increase it, or the - button to decrease it.

(picture) buttons

Press the + button to increase the picture contrast, or the - button to decrease it.

→ • ← (normal) button

Press this button once instantly returns the color and contrast settings made with the ① and ③ buttons on the Commander to the factory preset levels.

O 🖰 (standby) switch

Turns the TV in standby mode. Program indicator will show "--". To turn on the TV from the standby mode, press a program number button or →•← button on the Commander.

VIDEO button

This button is not usable for this TV. When this button is pressed, "AU" will momentarily light in the program indicator, but will immediately disappear.

A/B button

This button is not usable for this TV.

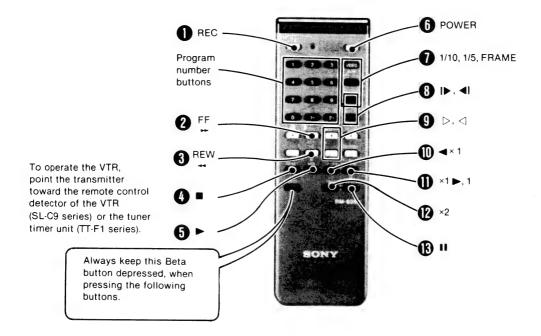
PROGR (program) buttons

Function the same as the PROGR buttons on the TV.

② ∠ (volume) buttons

Press the + button to increase the volume, or the - button to decrease it.

Buttons used for VTR operations



Buttons which have the same functions for both SL-C9 series and SL-F1E $\,$

■ REC (record) button

Press to start recording.

② FF (fast-forward) button

Press to advance the tape rapidly. This button is also used for the forward picture-search operation.

REW (rewind) button

Press to rewind the tape. This button is also used for the reverse picture-search operation.

Press to stop the tape.

Press to play the tape back.

G POWER switch

Press to turn the video tape recorder (and the tuner timer unit) on or off.

x2 (double-speed) button

Functions the same as the x2 button on the video tape recorder. Press to obtain a double-speed playback picture.

(Pause) button

Functions the same as the II PAUSE button on the SL-C9 series and the PAUSE button on the SL-F1E. To release the pause mode, press this button again.

Buttons used for the SL-C9 series

Speed control buttons (1/10, 1/5, FRAME)

Function the same as the 1/10, 1/5 and FRAME of the SPEED CONTROL buttons on the recorder.

⊙ ⊳ (forward) and ⊲ (reverse) buttons

Select the direction of the speed control playback. Function the same as the ▷ and ▷ buttons of the SPEED CONTROL buttons on the recorder.

1 (normal speed) button

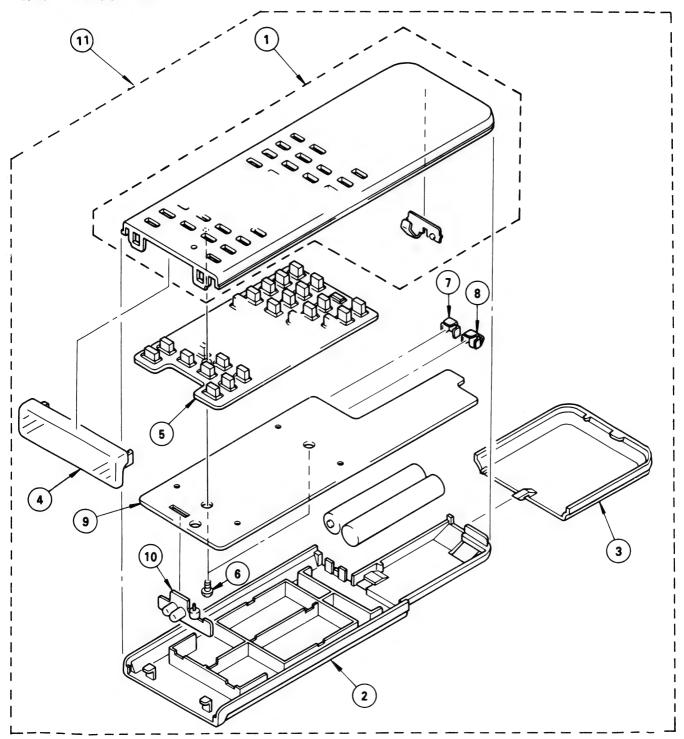
Functions the same as the 1 button of the SPEED CONTROL buttons on the recorder.

Buttons used for the SL-F1E

Function the same as the \blacktriangleleft and \blacktriangleright SWING SEARCH buttons on the SL-F1E.

5-2. EXPLODED VIEW

- NOTE:
 Items with no part number and no description are not stocked because they are seldom required for routine service.
 The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.



No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
1 2 3 4 5	4-361-948-00 4-361-945-00 4- 361 - 943 - 00	CASE (UPPER) ASSY. COMMANDER CASE (LOWER), COMMANDER COVER, BATTERY PANEL, FRONT, COMMANDER SHEET, RUBBER	0		4-348-542-00 4-348-543-00 *:1-614-569-11 *:1-614-570-11		1-10

R1

5-3. ELECTRICAL PARTS LIST

Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

When indicating parts by reference number, please include the board name.

CAPACITORS • MF : μF, PF : μμF **RESISTORS**

All resistors are in ohmsF: nonflammable

. Part No.	Descripti	on			Remark
*1-614-569-11	R1 BOARD				
4-348-542-00 4-348-543-00					
CAP	ACITOR				1
		220PF 220PF		10% 10%	50V 50V
FIL	TER				į
1-527-476-00	OSCILLATO	R, CERAMIC			
<u>IC</u>					į
8-759-600-07	IC M50119	Р			
TRA	NSISTOR				-
8-729-378-84	TRANSISTO	R 2SD788			j
******	******	*****	****	*****	*****
*1-614-570-11	R2 BOARD				
DIO	DE				
RES	ISTOR				
		22 2.2	5% 5%	1/6W 1/6W	
	4-348-542-00 4-348-543-00 CAP 1-161-315-00 1-161-315-00 FIL 1-527-476-00 IC 8-759-600-07 TRA 8-729-378-84 ***************** *1-614-570-11 DIO 8-719-900-23 8-719-107-82 RES 1-247-791-00	*1-614-569-11 R1 BOARD ******** 4-348-542-00 TERMINAL 4-348-543-00 TERMINAL CAPACITOR 1-161-315-00 CERAMIC 1-161-315-00 CERAMIC FILTER 1-527-476-00 OSCILLATO IC 8-759-600-07 IC M50119 TRANSISTOR 8-729-378-84 TRANSISTOC ***********************************	*1-614-569-11 R1 BOARD	*1-614-569-11 R1 BOARD ******** 4-348-542-00 TERMINAL (A), BATTERY 4-348-543-00 TERMINAL (B), BATTERY CAPACITOR 1-161-315-00 CERAMIC 220PF 1-161-315-00 CERAMIC 220PF FILTER 1-527-476-00 OSCILLATOR, CERAMIC IC 8-759-600-07 IC M50119P TRANSISTOR 8-729-378-84 TRANSISTOR 2SD788 **********************************	*1-614-569-11 R1 BOARD ******** 4-348-542-00 TERMINAL (A), BATTERY 4-348-543-00 TERMINAL (B), BATTERY CAPACITOR 1-161-315-00 CERAMIC 220PF 10% 1-161-315-00 CERAMIC 220PF 10% FILTER 1-527-476-00 OSCILLATOR, CERAMIC IC 8-759-600-07 IC M50119P TRANSISTOR 8-729-378-84 TRANSISTOR 2SD788 **********************************

SONY TRINITRON® COLOR TV

KV-2264EC

AEP Model

Chassis No. SCC-699A-A **RX CHASSIS**

C

D

Е

G

SAFETY-RELATED COMPONENT WARNING!

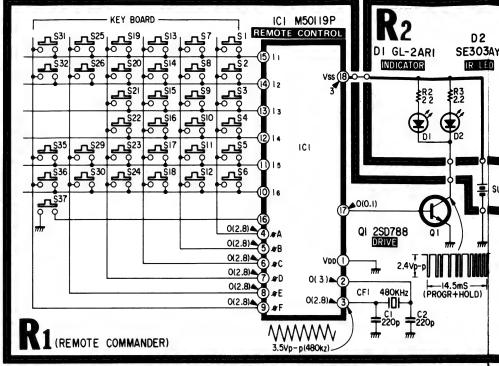
COMPONENTS IDENTIFIED BY SHADING AND MARK M ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

Note: The components identified by shading and mark A are critical for safety. Replace only with part number specified.

- All capacitors are in μF unless otherwise noted, p: μμF. 50WV or less are not indicated except for electrolytics.
- All resistors are in ohms, 1/6W unless otherwise noted. $k\Omega = 1000\Omega$, $M\Omega = 1000k\Omega$
- : nonflamable resistor.
- fusible resistor
- △ : internal component.
- _____: panel designation.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- Readings are taken with a color-bar signal input.
- Voltages are dc with respect to ground unless otherwise noted.
- All voltages are in V.
- Readings are taken with a $10M\Omega$ digital multimeter.
- adjustment for repair.
- Voltage variations may be noted due to normal production tolerances.
- --- : B bus.
- signal path.

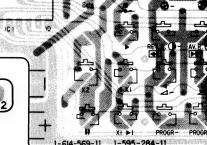
CIRCUIT BOARDS LOCATION H2.

REMOTE COMMANDER RM-635



KEY MAT	RIX								
	,	φA	A	В	4	C	.≉D	#E	#F
11	SI	- I	S7	2	SI3	3	SI9 I -	S25 II	S31 💢
12	S2	4	S8	5	SI4	6	S20 2-	S26 X2	S32 ()
13	S3	7	S 9	8	SI5	9	S21 VIDEO I/IO	S27	S33
14	S4	0	SIO	XI ▶ 1	SI6	■ XI	S22 1/5	S28	S34
15	S5	3 +	SII	4	S17	O +	S23 PROGR +	S29 🕪	S35 ■▶ FR
16	S6	3 -	SI2	<u> </u>	SIB	0 -	S24 PROGR —	\$30 →•←	S36 ▶
							•		

R1



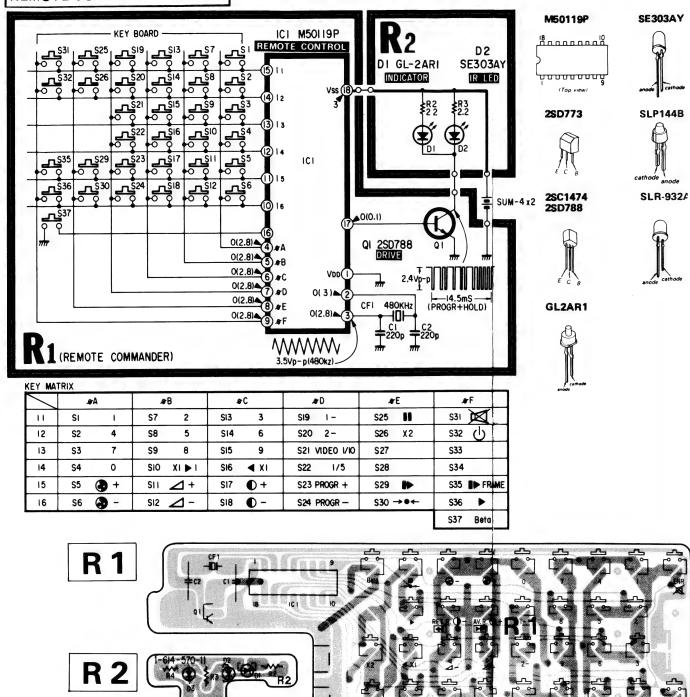
- All capacitors are in μF unless otherwise noted. p: μμF 50WV or less are not indicated except for electrolytics.
- All resistors are in ohms, 1/6W unless otherwise noted.
- $k\Omega = 1000\Omega$, $M\Omega = 1000k\Omega$
- All voltages are in V.
- Voltages are dc with respect to ground unless otherwise noted.
- ullet Reading are taken with a 10 M Ω digital multimeter.
- pressed. • Voltages in () are ta

Voltages and waveform

- Voltage variations m production tolerances.
- ---: B + bus.

N A A DI DI

REMOTE COMMANDER RM-635



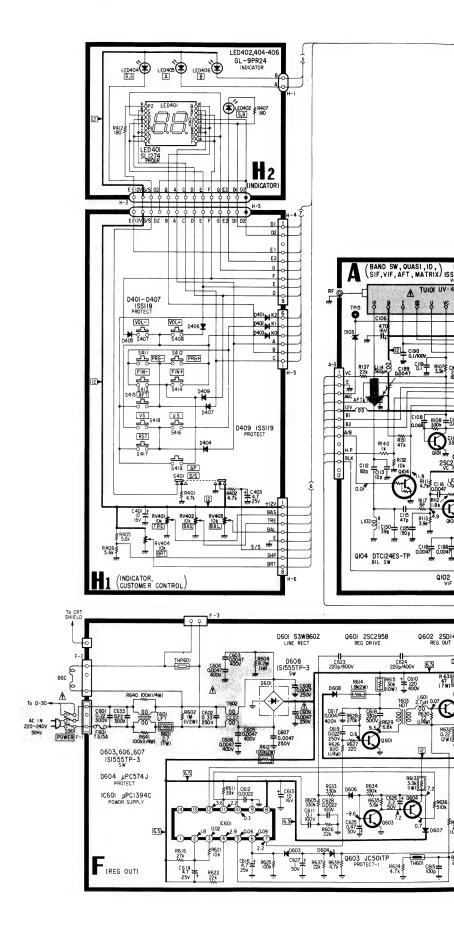
Note:

- All capacitors are in μF unless otherwise noted. p : μμF
 50WV or less are not indicated except for electrolytics.
- All resistors are in ohms, 1/6W unless otherwise noted. $k\Omega=1000\Omega,\ M\Omega=1000k\Omega$
- All voltages are in V.
- Voltages are dc with respect to ground unless otherwise noted.
- \bullet Reading are taken with a 10 $M\Omega$ digital multimeter.

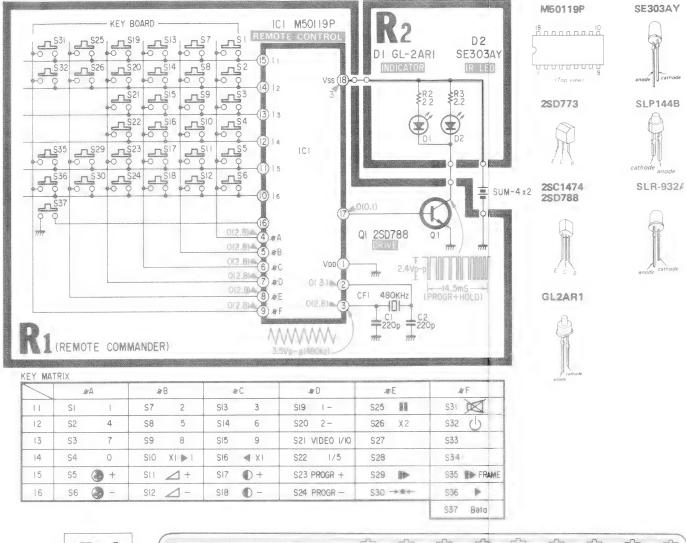
- Voltages and waveform are for when 1 button is pressed.
- Voltages in () are taken with button not pressed.
- Voltage variations may be noted due to normal production tolerances.
- ---: B + bus.

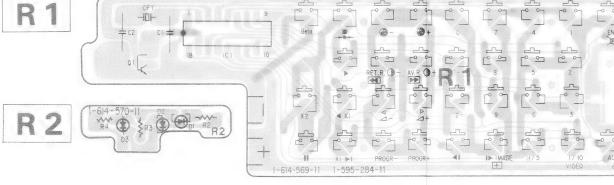
1-614-569-11 1-595-284-11

SCHEMATIC DIAGRAM



REMOTE COMMANDER RM-635



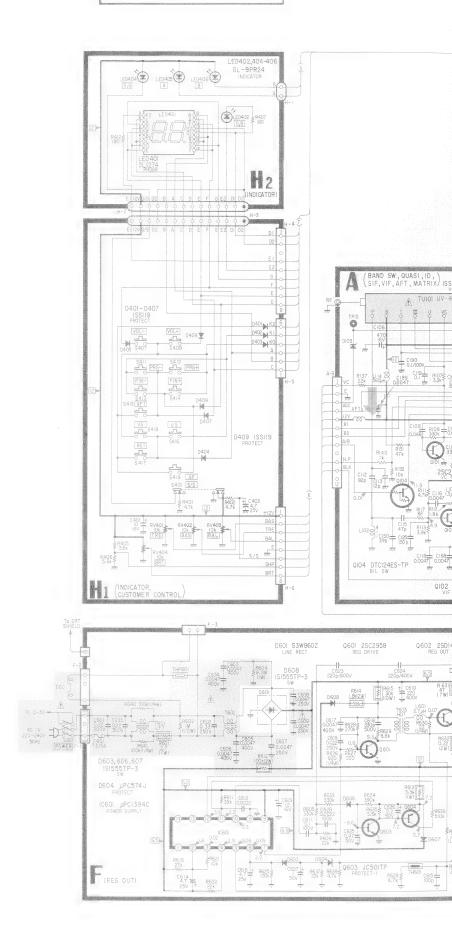


Note

- All capacitors are in μ F unless otherwise noted. p: $\mu\mu$ F 50WV or less are not indicated except for electrolytics.
- All resistors are in ohms, 1/6W unless otherwise noted.
- $k\Omega = 1000\Omega$, $M\Omega = 1000k\Omega$ All voltages are in V.
- Voltages are dc with respect to ground unless
- \bullet Reading are taken with a 10 $M\Omega$ digital multimeter.

- Voltages and waveform are for when
 button is pressed.
- Voltages in () are taken with button not pressed.
- Voltage variations may be noted due to normal production tolerances.
- ---: B + bus.

SCHEMATIC DIAGRAM



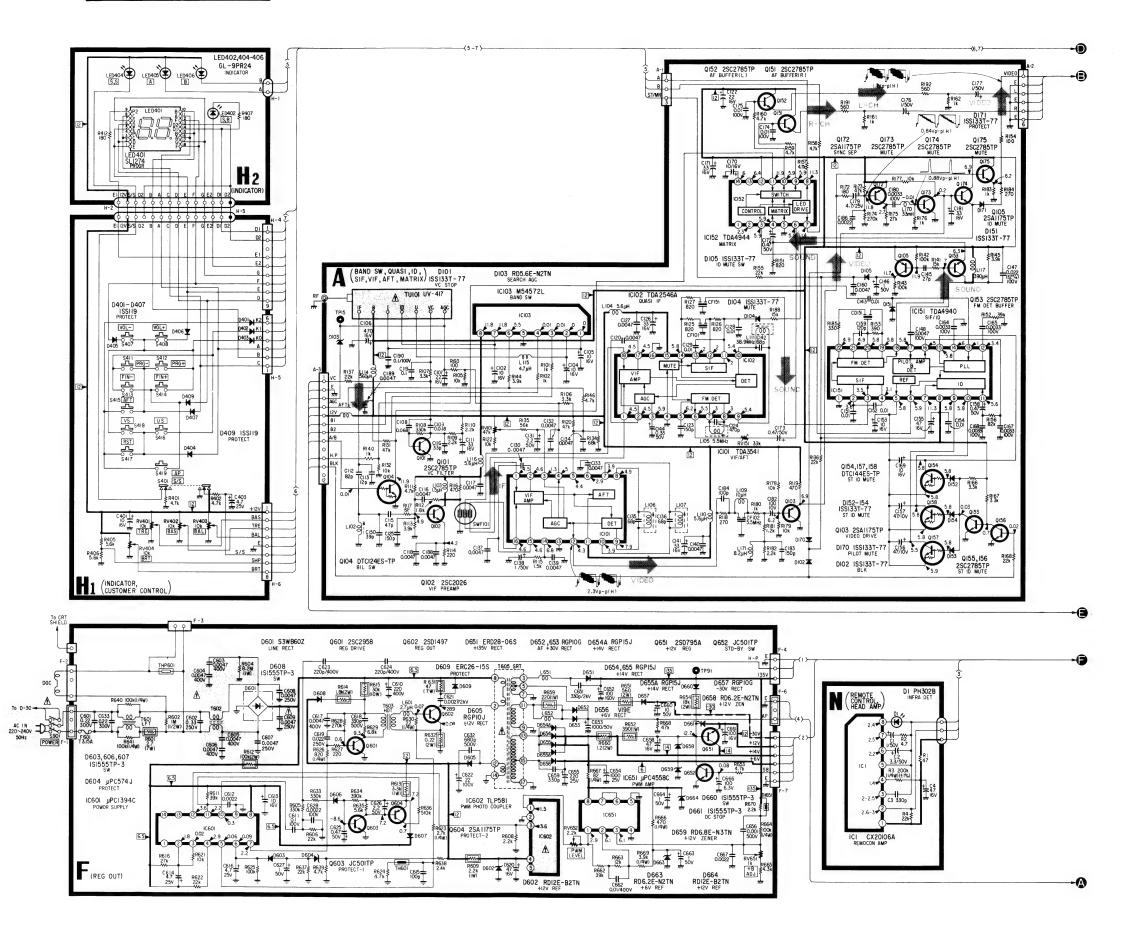
SE303AY Annananah SLP144B 2SD773 SLR-932/ GL2AR1

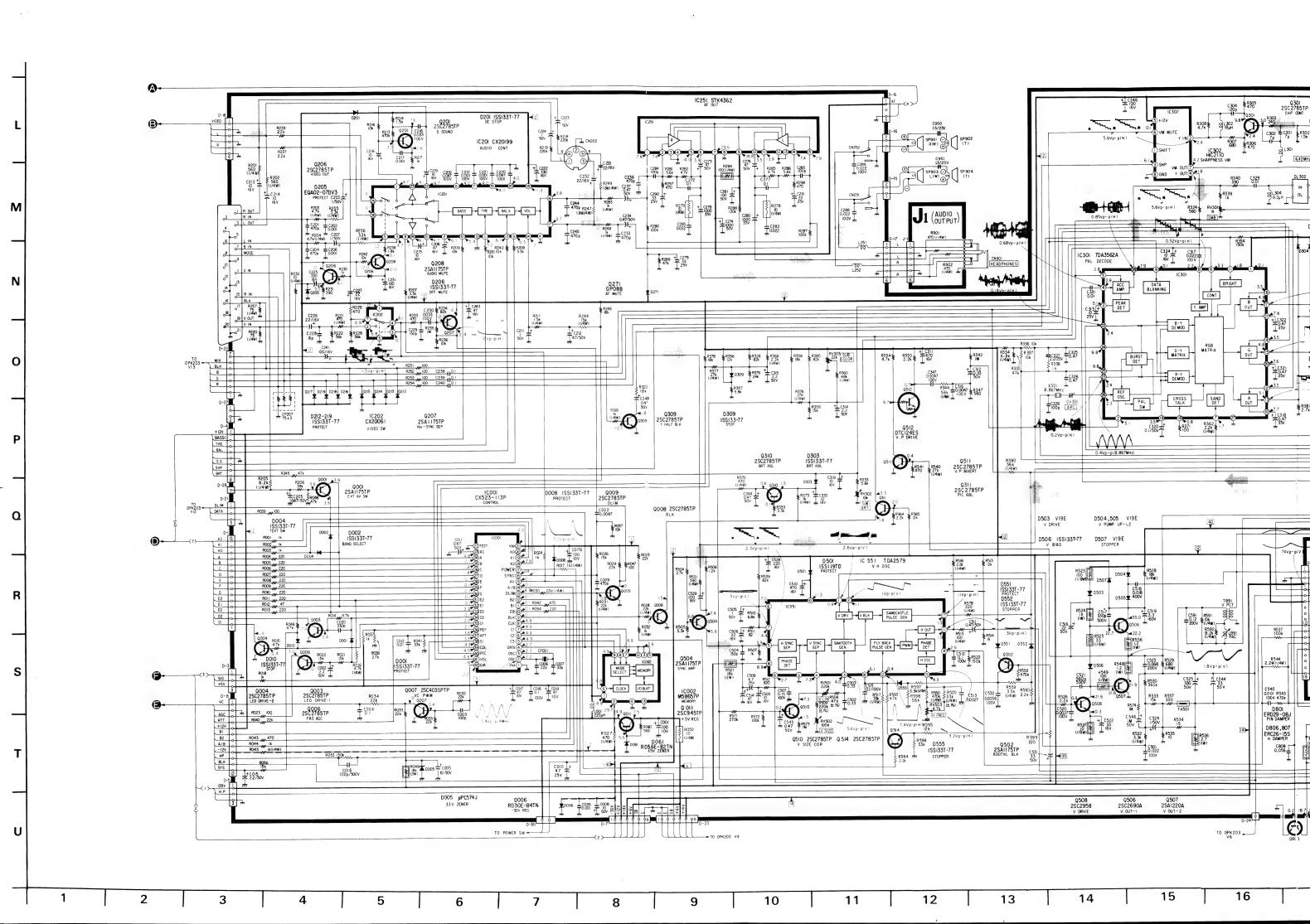
reform are for when 1 button is

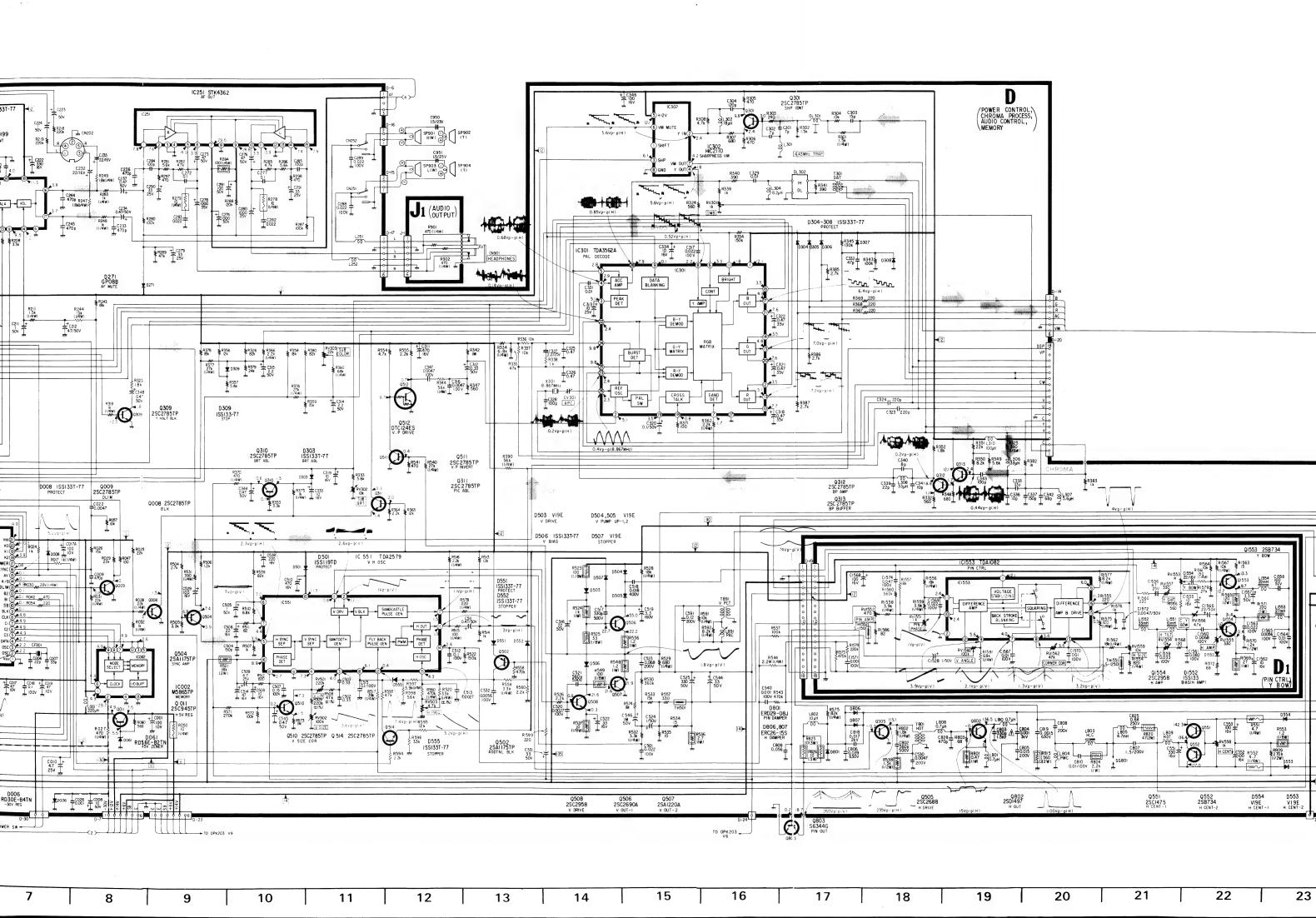
are taken with button not pressed. Ins. may be noted due to normal Inces.

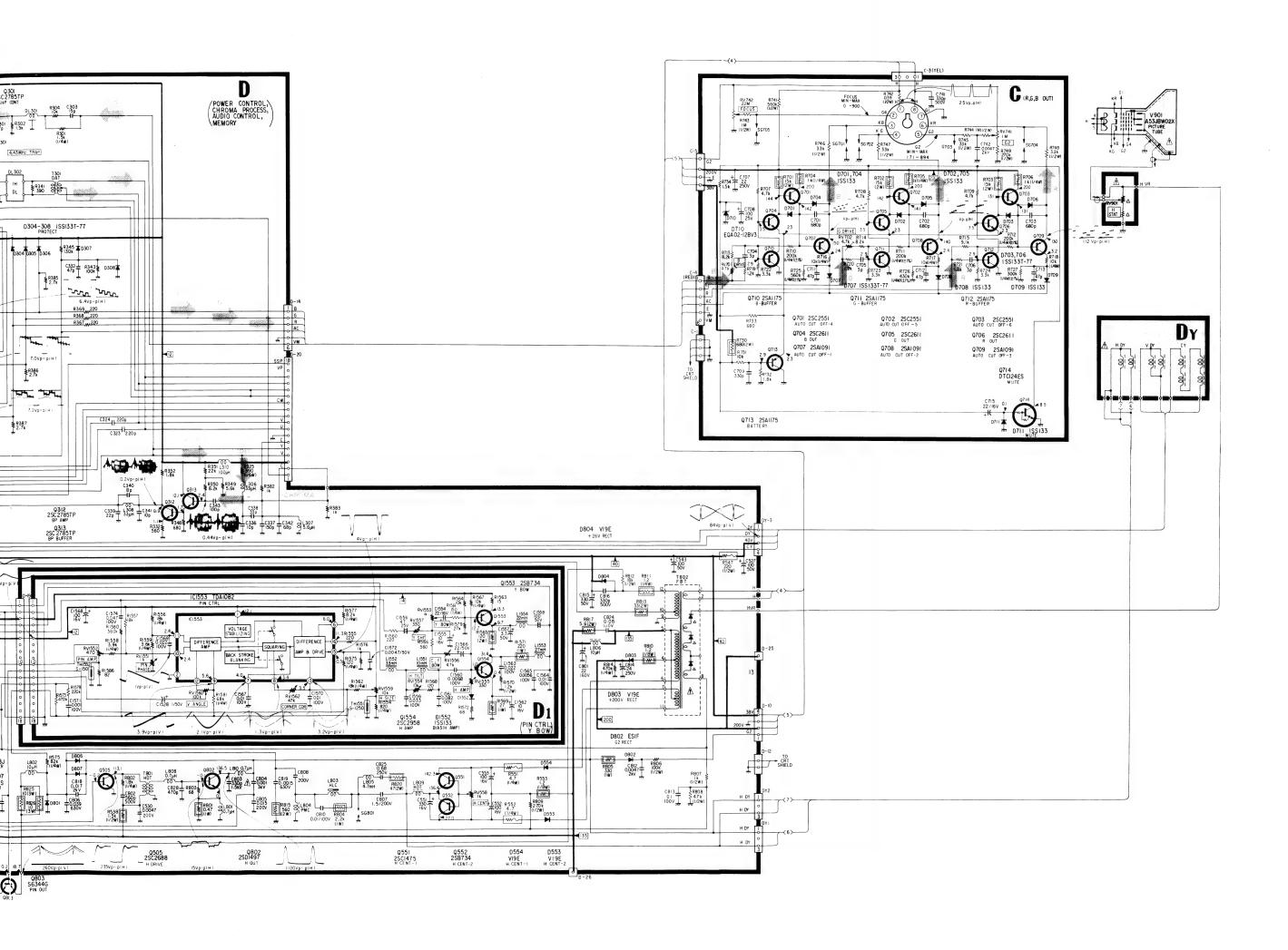
(KV-2264EC/RM-635)

SCHEMATIC DIAGRAM





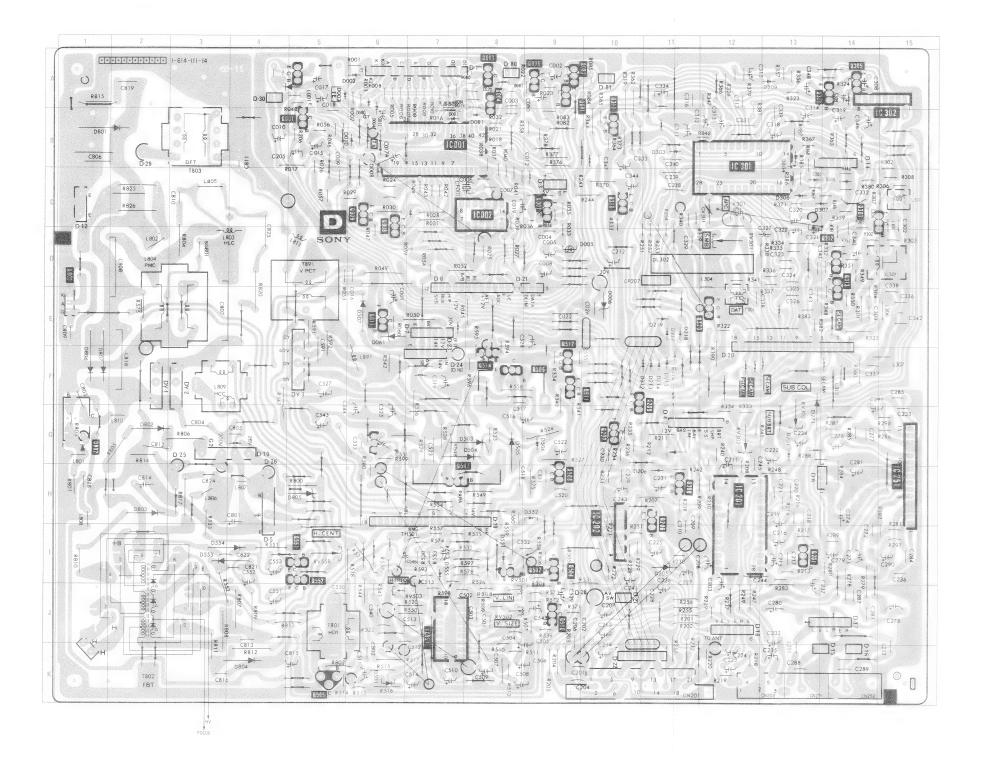




 MOUNTING DIAGRAM

Note: All mounting diagrams are viewed from conductor side.



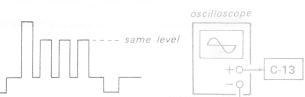


SUB COLOR ADJUSTMENT | RV303 = G-13

- Receive a color bar signal.
- Set the picture control at Norm, COLOR control at minimum and BRIGHTNESS control to Mechanical
- Connect an Oscilloscope at pin 17 of IC301. Adjust RV303 so that same level as shown.

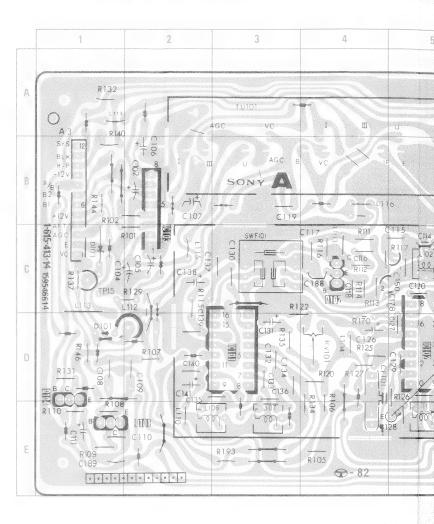


- Receive a dot signal.
- 2. Set the BRIGHTNESS control at mechanical center.
- Connect an Digital multi-meter at pin (11) of IC301.
- 4. Adjust to 2.0±0.2V with RV302.





BAND SW, QUASI, ID, SIF, VIF, AFT, MATRIX



TU. AGC ADJUSTMENT RV101 = D-4

- Tune in an off-air signal.
- 2. Adjust RV101 so that snow noise and crossmodulation disappear from the picture.

SEPARATION ADJUSTMENT | RV151 = D-8

- Receive a stereo signal (L-CH 1 kHz, R-CH 400 Hz).
- 2. Comfirm the stereo indicater.
- Comfirm the output 1 kHz signal at pin (9) of IC152.
- 4. Adjust RV151 so that minimum 1 kHz signal at pin (10) of IC152.

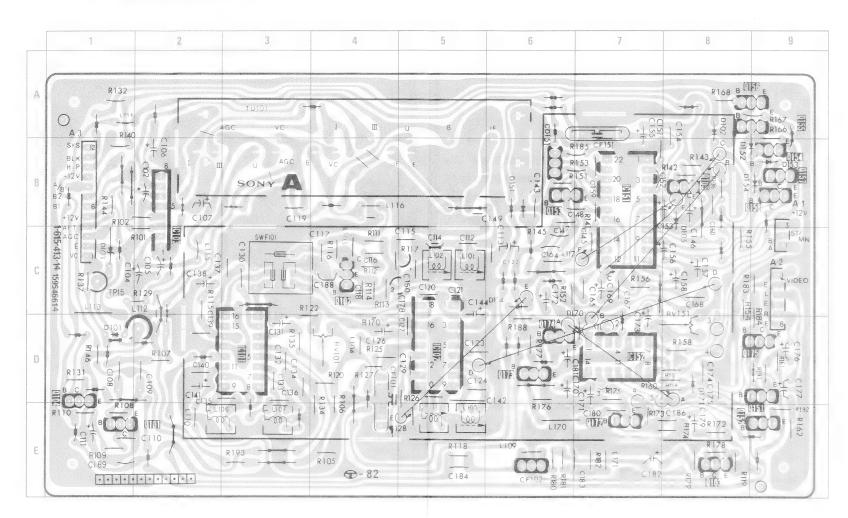


- 1. Tune in an off-air signal.
- 2. Adjust L105 for maximum clear-sound.

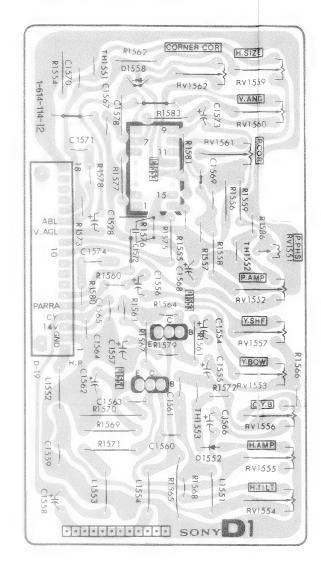


arraman and a second						
CONNECTOR	C169	C-7	TRANSISTOR	R162	E-9	Name and Address of the Owner, where the Owner, which is the Owner, which is the Owner, where the Owner, which is the Owner
A1 B-9 A2 C-9 A3 A-1	C170 C171 C172 C173	D-7 D-7 C-6 D-7	Q101 E-2 Q102 C-4 Q103 E-8	R166 R167 R168	A-9 A-9 A-8	UNICODO AMBIGUAÇÃO
CAPACITOR	C174 C175 C176	D-8 D-8 D-9	Q104 D-1 Q105 8-8 Q151 E-9	R172	E-8	NACTOR BENEFIT (SEE

BAND SW, QUASI, ID, SIF, VIF, AFT, MATRIX



D1 [PIN CTRL, Y BOW]



TU. AGC ADJUSTMENT

RV101 = D-4

- Tune in an off-air signal..
- 2. Adjust RV101 so that snow noise and crossmodulation disappear from the picture.

SEPARATION ADJUSTMENT RV151 = D-8

- Receive a stereo signal (L-CH 1 kHz, R-CH 400 Hz).
- Comfirm the stereo indicater.
- Comfirm the output 1 kHz signal at pin (9) of IC152. Adjust RV151 so that minimum 1 kHz signal at pin (10) of IC152.

SIF ADJUSTMENT

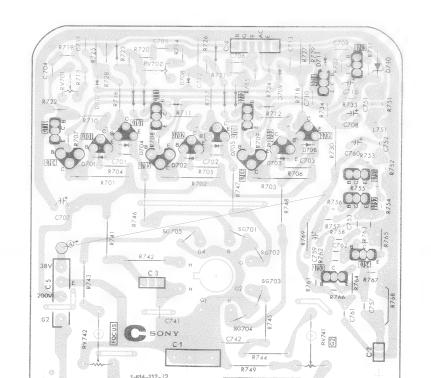
L105 = E-5

- 1. Tune in an off-air signal.
- 2. Adjust L105 for maximum clear-sound.



A PROPERTY AND ADDRESS OF THE PARTY AND ADDRES								
CONNE	ECTOR	C169	C-7	TRANS	ISTOR	R162	E-9	
A1 A2 A3	B-9 C-9 A-1	C170 C171 C172 C173 C174	D-7 D-7 C-6 D-7 D-8	Q101 Q102 Q103 Q104	E-2 C-4 E-8	R166 R167 R168	A-9 A-9 A-8	
CAPAC	ITOR	C175 C176	D-8 D-8 D-9	Q105 Q151	D-1 8-8 F-9	R172	E-8	

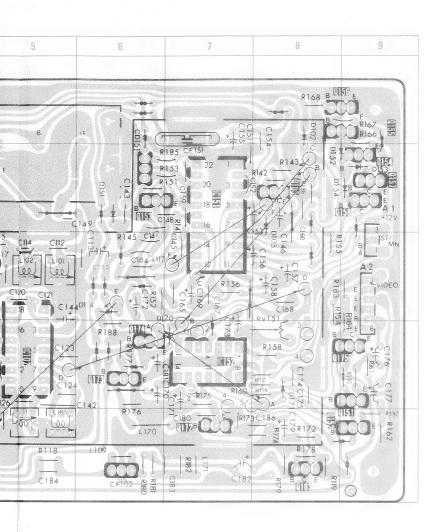
[R, G, B OUT]



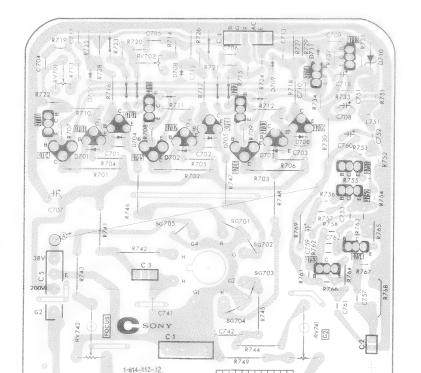
SEMICONDUCTORS

CX20061 CX20106 CX20106A M54572L TDA1082 TDA3541

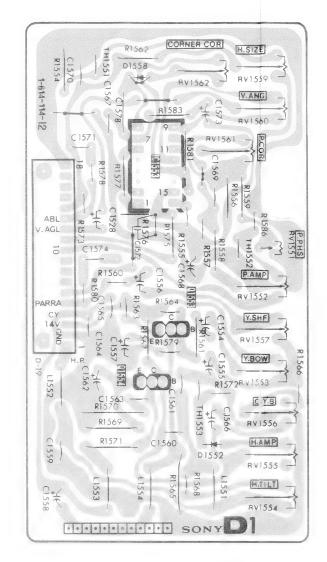
μPC4558C



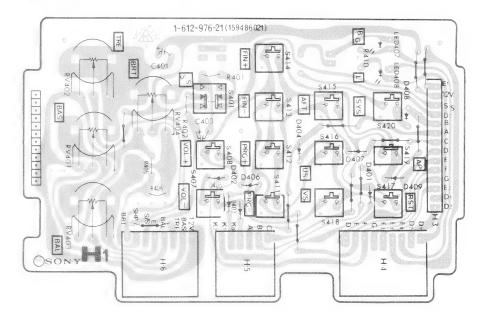
C [R, G, B OUT]



D1 [PIN CTRL, Y BOW]



H1 [INDICATOR, CUSTMER CONTROL]



SEMICONDUCTORS

CX20061 CX20106 CX20106A M54572L TDA1082 TDA3541 μ**PC4558C**

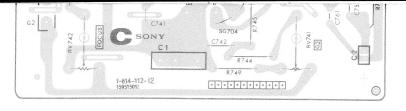
2SA1220A 2SC2611 2SC2688 2SC2690A

2SD795A

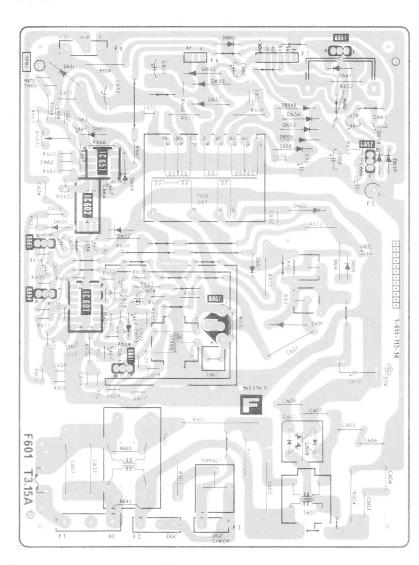
1N4148T2 1S1555TP3 1S2076TP1 EQA02-06AV3 EQA02-07DV3 EQA02-11CV3

ERC26-15S

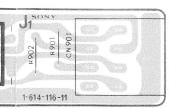
RGP15G RGP15J



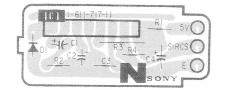
[REG OUT]

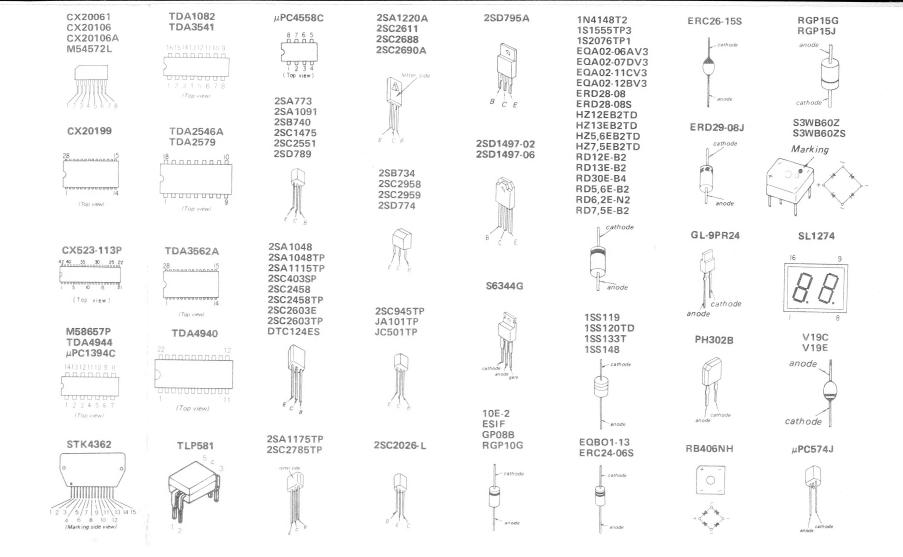


[AUDIO]



REMOTE CONTROL)

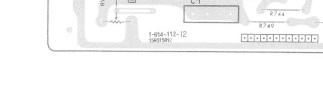




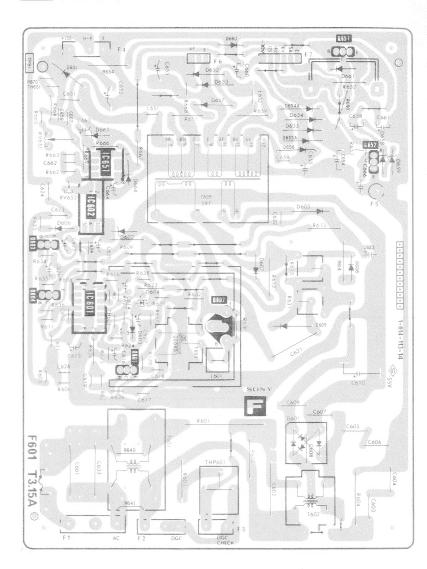
85KG0941-1 Printed in Japan © 1985

			T			
	C810 :C-3 C812 G-2	D501 K-6 D503 G-8	TRANSISTOR	To Continue to the Continue to	R335 D-13 R336 D-13	R552 J-4 R553 H-3
	C813 J-4 C814 H-2 C815 K-5	D504 G-8 D505 G-8 D506 G-9	Q001 B-5 Q003 A-8 Q004 A-8	R047 D-6 R048 A-5 R049 D-6	R337 E-13 R338 D-13 R339 D-11	R554 F-9 R555 F-10 R556 F-8
	C816 K-3 C818 F-2	D507 E-6 D551 I-8	Q006 A-9 Q007 C-9	R050 E-7 R052 D-7	R340 C-11 R341 D-12	R557 1-7 R558 1-9
	C819 A-2 C821 I-4	D552 H-9 D553 1-3	Q008 C-6 Q009 C-6	R053 E-5 R054 D-7	R342 8-12 R343 C-14	R559 I-8 R560 H-8
	C822 1-4 C824 H-3 C825 D-4	D554 1-3	Q011 E-6 Q201 I-13 Q206 H-11	R056 B-5 R057 C-5 R060 E-6	R344 B-10	R571 J-9 R572 J-9
	C828 H-1	D801 B-1 D802 G-2 D803 H-2	Q207 G-10	of the section of the	R345 C-14 R347 A-12 R348 E-14	R573 J.9 R574 I-7 R575 E-2
-	FILTER	D804 K-4 D806 F-1	Q208 H-11 Q301 C-14 Q309 A-13	R202 J-11 R203 J-9	R349 D-14 R350 E-14	R578 I-8 R591 E-5
-	CF001 C-7	D807 F-1	Q310 C-10 Q311 A-10 Q312 D-14	R204 K-9 R205 K-9 R206 B-5	R351 D-14 R352 D-14 R353 C-10	R592 E-5 R593 I-7 R594 E-8
	CONNECTOR CN201 K-11	DELAY LINE	Q313 D-14 Q502 I-9	R207 H-11 R208 H-12	R354 G-12 R356 A-13	R595 E-8
	CN202 K-14 CN251 K-13	DL301 D-15 DL302 D-11	Q504 1.9 Q505 K-5	R209 H-11 R210 H-12	R357 A-13 R358 B-8 R359 C-14	R596 F-8 R597 I-8 R598 J-7
	CN252 K-14 D1 A-8	IC	Q506 F-9 Q507 H-7 Q508 H-9	R211 G-11 R213 I-13 R214 H-13	R360 F-14 R362 A-10	R599 G-6 R801 H-1 R802 K-5
	D3 C-9 D4 G-11 D5 I-4	IC001 B-7	Q510 J-9 Q511 F-10 Q512 E-9	R216 H-13 R217 I-13 R218 K-12	R364 B-10 R365 A-10 R366 A-12	R803 G-1 R804 D-3 R805 G-2
-	D6 H-13	IC002 C-8 IC201 I-12 IC202 H-10	Q514 F-8 Q551 I-5	R219 K-12 R220 K-12	R367 B-13	R806 G-3 R807 J-4
	D7 E-7 D8 D-7 D10 G-4	IC251 H-15 IC301 B-12 IC302 B-15	Q552 1-5 Q802 G-1	R221 I-10 R222 I-10	R369 C-13 R370 C-10	R808 J-3 R809 J-4
	D12 C-1 D14 B-14	IC551 J-7	0803 D-1	R228 I-10 R229 I-10	R371 C-13 R373 B-10 R376 B-9	R810 I-1 R811 K-3 R812 K-4
	D15 K-14 D16 K-14 D17 J-14	COIL		R230 I-11 R231 I-10 R232 K-11	R377 B-9 R378 B-9	R813 J-5 R814 G-2
	D18 J-12 D19 H-8	L001 A-5 L251 K-13		R233 H-10 R234 G-10 R235 G-10	R379 A-12 R380 C-14	R817 H-3 R820 E-4 R825 C-2
	D20 F-12 D21 D-8	L252 K-15 L301 C-15 L302 B-15		R236 G-10	R382 E-13 R383 E-13 R385 B-13	R826 C-2
William Company	D22 K-10 D23 E-7 D24 F-7	L304 D-12 L306 E-15 L307 F-15	RESISTOR	R237 J-12 R238 H-11 R239 J-12	R386 C-13 R387 B-13	VARIABLE
	D25 G-3 D26 H-4 D27 J-10	L308 C-14 L310 F-14	R001 A-6	R240 G-12 R242 H-11 R243 C-9	R390 F-12 R504 I-9 R505 I-9	RESISTOR RV301 D-12
	D27 J-10 D28 J-10 D30 A-4	L801 G-1 L802 D-2	R002 A-6 R003 A-6 R004 A-6	R244 C-10 R245 G-13	R506 I-9	RV302 G-12 RV303 G-13 RV501 I-8
	DY1 F-2 DY2 F-3	L803 D-4 L804 D-2 L805 C-3	R005 A-6 R006 A-6	R247 J-12 R248 H-13	R507 J-9 R508 J-8 R509 J-8	RV502 J-8 RV503 J-7
	DY3 F.5	L806 H-3 L808 H-1	R007 A-6 R008 A-7 R009 A-7	R249 J-12 R251 D-10 R252 D-11	R510 K-8 R511 K-9 R512 K-8	RV558 1-5
	TRIMMER	L809 F-3 L810 G-2	R010 A-7	R253 D-11 R254 D-11	R513 K-6 R514 K-5	SPARK GAP
	CV301 C-12	L891 F-6	R012 A-7 R013 A-7 R014 A-7	R255 J-11 R256 J-11 R257 K-11	R515 K-6 R516 K-6	SG801 D-3
	DIODE		R015 A-7 R016 B-7	R278 I-14 R279 I-14	R517 K-6 R520 J-7 R521 I-6	T301 E-12
	D001 8-7 D002 A-6		R017 C-5 R018 8-8 R021 8-8	R280 I-14 R281 H-15	R522 J-6 R523 G-8	T801 J-5 T802 J-2
	D004 B-6 D005 D-9 D006 E-10		R022 A-8	R282 H-15 R283 I-13 R284 H-14	R524 G-9 R525 H-9 R526 I-8	T891 D-5
	D008 C-6 D010 B-6		R023 A-9 R024 C-6 R025 D-8	R285 G-14 R286 G-15	R527 G-9 R528 G-7	THERMISTOR
	D061 E-6 D201 G-13 D205 I-11		R026 B-5 R027 D-8 R028 C-7	R287 G-14 R288 G-13	R529 G-7 R530 I-7	TH501 1-7
	D206 H-10 D212 F-11		R029 C-6 R030 C-6	R289 I-14 R297 I-15 R298 G-15	R531 (-10 R532 I-8 R533 I-7	CRYSTAL
THE REPORT OF THE PERSON NAMED IN	D213 F-11 D214 F-11 D215 F-11		R031 C-7 R032 B-8	R301 E-14 R302 D-14	R534 H-7 R535 I-8 R536 G-7	X301 C-12
	D216 F-11 D217 E-11		R033 C-9 R034 C-9 R035 C-9	R303 D-15 R304 E-14 R305 C-14	R537 I-6 R538 I-6	COMBINATION PARTS
	D218 E-11 D219 E-11		R037 8-8 R038 8-8	R306 C-15 R307 C-14	R539 J-9 R540 F-9	CP207 D-10
	D271 G-13 D303 B-11 D304 B-13		R039 C-8 R040 B-8 R041 C-8	R308 C-15 R319 A-10	R541 G-9 R544 J-6	
	D305 C-13 D306 C-13		R042 C-7	R323 A-13 R324 A-14 R325 E-14	R547 F-4 R548 G-7 R549 H-8	
	D307 C-13 D308 C-14 D309 A-13		R043 C-7 R044 C-7 R045 E-7	R326 A-12 R332 D-14	R550 J-7 R551 1-4	
			R046 8-5	R333 G-12 R334 D-13		

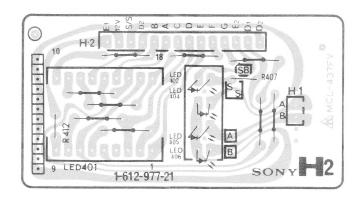
CONNECTOR	C169 C-7	TRANSISTOR	R162 E-9
A1 B-9 A2 C-9 A3 A-1	C170 D-7 C171 D-7 C172 C-6 C173 D-7 C174 D-8	Q101 E-2 Q102 C-4- Q103 E-8 Q104 D-1	R166 A-9 R167 A-9 R168 A-8
CAPACITOR	C174 D-8 C175 D-8 C176 D-9 C177 D-9	Q105 B-8 Q151 E-9	R172 E-8 R173 E-7
C102 B-2 C104 C-1 C105 C-2 C106 B-2 C107 B-2 C108 D-1 C109 D-2 C110 E-2 C111 E-1 C112 C-5	C177 D-9 C179 E-8 C180 E-7 C181 D-7 C182 E-7 C183 E-7 C184 E-5 C186 E-8 C188 C-4 C189 E-1	Q152 E-8 Q153 B-6 Q154 B-9 Q155 A-9 Q156 A-8 Q157 B-9 Q158 B-9 Q172 E-7 Q173 D-6 Q174 D-6 Q175 D-9	R174 E-8 R175 D-6 R177 D-6 R177 D-6 R178 E-8 R180 E-6 R181 E-6 R182 E-7 R182 C-7 R183 C-8
C115 C-5	DISCRIMINATOR	RESISTOR	R185 B-7 R188 D-6 R191 D-9
C116 C-4 C117 C-4 C118 C-4 C119 B-3	CD151 A-6	R101 C-2	R192 E-9 R193 E-3
C119 B-3 C120 C-5 C122 C-6	FILTER	R102 B-1 R105 E-4 R106 E-4	VARIABLE
	CF101 D-4 CF102 E-6	R107 D-2 R108 E-1	RESISTOR RV101 D-4
C123 D-5 C124 D-5 C126 D-4	CF151 B-7	R109 E-1 R110 E-1	RV151 D-8
C126 D-4 C127 D-5 C128 E-5	DIODE	R111 C-4 R112 C-4	FILTER
C129 D-5 C130 C-3 C131 D-3	D102 A-8 D103 C-1 D104 C-6	R113 C-4 R114 C-4 R115 C-2	SWF101 C-3
C132 D-3 C133 D-3	D105 C-8 D151 B-6	R116 C-4 R117 C-5	TEST POINT
C134 D-3 C135 D-2	D152 B-8 D153 B-9	R118 E-5 R119 E-8	TP15 C-1
C136 D-3	D154 B-8 D170 C-7 D171 D-8	R120 D-4 R122 C-3 R125 D-4	TUNER
C137 C-2 C138 C-2 C139 D-2		R126 D-5	TU101 A-3
C140 D-2 C141 D-2 C142 D-6	IC	R127 D-4	
C143 B-6 C144 C-5 C145 C-7 C146 C-8 C147 C-6	IC101 D-3 IC102 D-5 IC103 C-2 IC151 B-7 IC152 D-7	R131 D-1 R132 A-1 R134 E-4 R135 D-3 R136 B-8 R137 C-1 R140 A-1	
C148 B-7 C150 D-5 C151 A-7	COIL	R141 B-7	
C152 B-7 C153 B-8 C154 A-8 C155 A-7 C156 C-8 C157 C-8 C157 C-8 C159 B-7 C160 B-8 C164 C-6 C165 C-7 C167 C-7 C168 C-8	L102 C-6 L103 C-4 L104 D-4 L105 E-5 L106 E-3 L107 E-3 L107 E-6 L110 E-2 L111 E-5 L113 C-1 L115 C-2 L116 B-4 L117 C-6 L170 E-6 L170 E-6	R141 B-7 R142 B-8 R143 B-8 R144 B-1 R145 C-6 R146 D-1 R151 B-7 R152 C-6 R153 B-7 R154 C-8 R155 C-8 R156 C-7 R157 D-8 R157 D-8 R159 D-8 R160 D-7 R161 D-9	



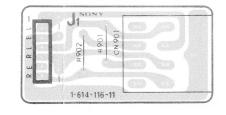
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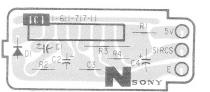
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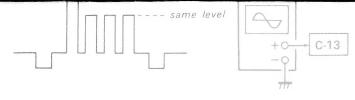












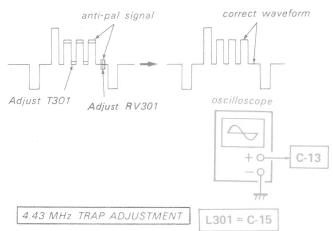
APC ADJUSTMENT

- CV301 = C-12
- Receive a color bar signal.
- Each controls at normal
- Short circuit between pin (2) and pin (3) of IC301 with a jumper.
- Connect Resistor (100 k Ω /1/4W) between pin 24 and pin 25
- Adjust CV301 to obtain the stable color picture.
- Disconnect the Resistor and jumper.

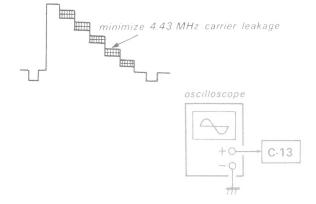
1H DL ADJUSTMENT

T301 = E-12, RV301 = D-12

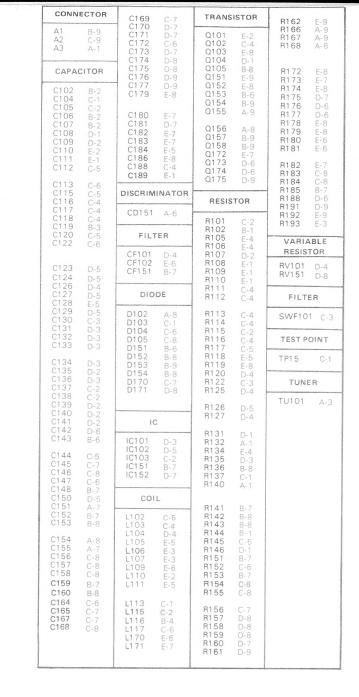
- Receive a color bar signal.
- Set the picture control at Norm and color control at minimum.
- Connect an Oscilloscope at pin 17 of IC301.
- 4. Get tracking with both T301 and RV301 as shown.



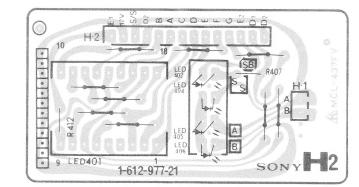
- Receive a color-bar signal.
- Connect an Oscilloscope at pin 17 of IC301.
- 3. Set the picture control at norm, color control at minimum and BRIGHTNESS control to mechanical
- 4. Adjust L301 for minimum 4.43 MHz component.



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CAPACITOR	C291 F-14	C810 C-3	D501 K-6	TRANSISTOR		R335 D-13	R552 J-4
C001 E-6 C002 A-9 C003 A-8 C004 D-9 C005 D-9 C006 C-8 C008 D-9 C009 B-5 C010 B-4 C011 B-6 C012 B-9 C015 B-5 C016 D-6 C017 A-5 C017 A-5 C017 A-5 C017 A-5 C017 A-5 C017 A-5 C017 A-5 C017 A-5 C018 A-5 C019 C-8 C020 A-8 C020 A-8 C020 A-8 C020 A-8 C020 A-8 C020 A-8 C020 A-8 C020 A-8 C020 A-8 C020 A-8 C020 A-8 C021 K-9 C201 K-9 C201 K-9 C202 J-10 C203 J-12 C204 K-9 C207 J-10 C208 I-12 C204 K-9 C207 J-10 C216 I-13 C211 G-12 C211 G-12 C211 G-12 C211 G-12 C211 G-12 C211 G-12 C211 H-13 C211 H-13 C216 I-13 C216 I-13 C217 I-13 C218 H-13 C219 H-13 C219 H-13 C220 H-10 C215 I-11 C221 H-13 C220 H-10 C215 I-11 C221 H-13 C220 H-10 C223 K-12 C224 K-12 C224 K-12 C225 I-11 C226 I-11 C227 I-11 C228 J-11 C229 H-10 C230 G-10 C231 H-11 C227 I-11 C228 J-11 C229 H-10 C231 K-11 C227 I-11 C228 J-11 C229 H-10 C231 K-11 C229 H-10 C231 K-11 C227 I-11 C228 J-11 C229 H-10 C231 H-11	C301 C-15 C302 C-15 C303 E-14 C304 C-14 C311 B-11 C312 B-11 C313 B-12 C314 A-13 C315 A-12 C316 A-11 C317 A-12 C318 B-13 C319 B-14 C320 C-13 C321 D-13 C321 D-13 C322 D-13 C322 D-13 C322 D-13 C323 D-13 C324 D-13 C325 D-13 C326 E-13 C326 E-13 C327 D-13 C328 E-13 C327 D-13 C328 E-13 C328 E-15 C331 B-12 C332 C-14 C331 B-12 C332 C-14 C341 D-13 C342 C-10 C346 B-14 C347 B-10 C348 B-13 C340 D-14 C347 B-10 C348 B-14 C341 D-13 C342 E-15 C343 E-15 C343 B-10 C344 C-10 C346 B-14 C347 B-10 C348 B-14 C349 B-13 C340 D-14 C347 B-10 C348 B-14 C349 B-13 C340 D-14 C347 B-10 C348 B-14 C341 D-13 C349 B-13 C340 D-14 C341 D-13 C342 E-15 C343 B-10 C348 B-14 C349 B-13 C340 D-14 C347 B-10 C348 B-14 C349 B-13 C340 D-14 C341 D-13 C342 E-15 C343 B-10 C348 B-14 C349 B-13 C340 D-14 C347 B-10 C348 B-14 C349 B-13 C340 D-14 C347 B-10 C348 B-14 C349 B-13 C340 D-14 C347 B-10 C348 B-14 C347 B-10 C348 B-14 C349 B-17 C501 D-17 812 G-2 C813 J-4 C814 H-2 C815 K-5 C816 K-3 C818 F-2 C819 A-2 C821 I-4 C822 I-4 C824 H-3 C825 D-4 C828 H-1 FILTER CF001 C-7 CONNECTOR CN201 K-11 CN202 K-14 CN251 K-13 CN252 K-14 CN251 K-13 CN252 K-14 D1 A-8 D3 C-9 D4 G-11 D5 I-4 D6 H-13 D7 E-7 D8 D-7 D10 G-4 D14 B-14 D15 K-14 D15 K-14 D15 K-14 D17 J-14 D15 K-14 D17 J-14 D18 J-12 D19 H-8 D20 F-12 D21 D-8 D22 K-10 D23 E-7 D24 G-3 D26 H-4 D17 J-10 D28 J-10 D29 J-10 D29 J-10 D20 F-12 D21 D-8 D20 F-12 D21 D-8 D20 F-12 D21 D-8 D22 K-10 D23 E-7 D24 G-3 D25 G-3 D26 H-4 D17 J-10 D28 J-10 D28 J-10 D28 J-10 D30 A-4 DY1 F-2 DY2 F-3 DY3 F-5 TRIMMER CV301 C-12 DIODE D001 B-7 D002 A-6 D004 B-6 D005 B-9 D006 E-10 D008 C-6 D001 B-6 D001 B-6 D001 B-6 D001 B-6 D001 B-6	D501 K-6 D503 G-8 D504 G-8 D504 G-8 D506 G-9 D507 E-6 D551 I-8 D552 H-9 D553 I-3 D554 I-3 D555 I-7 D801 B-1 D802 G-2 D803 H-2 D804 K-4 D806 F-1 D807 F-1 DELAY LINE	Q001 B-5 Q003 A-8 Q004 A-8 Q006 A-8 Q007 C-9 Q008 C-6 Q001 E-6 Q011 E-6 Q201 I-13 Q206 H-11 Q301 C-14 Q301 C-14 Q301 C-14 Q301 C-14 Q301 C-14 Q301 C-14 Q301 C-14 Q301 E-6 Q504 H-11 Q301 C-10 Q311 A-10 Q312 D-14 Q504 I-9 Q505 K-5 Q506 F-9 Q507 H-7 Q508 H-9 Q507 H-7 Q508 H-9 Q501 F-9 Q501 F-9 Q501 F-9 Q501 F-9 Q501 F-8 Q505 I-5 Q802 G-1 Q803 D-1 RESISTOR RO01 A-6 R002 A-6 R003 A-6 R004 A-6 R005 A-6 R006 A-6 R007 A-6 R007 A-7 R010 A-7 R011 A-7 R011 A-7 R011 A-7 R011 A-7 R011 A-7 R011 A-7 R011 A-7 R011 A-7 R011 A-7 R011 A-7 R011 A-7 R011 A-7 R011 A-7 R011 A-7 R011 B-8 R021 A-7 R011 B-7 R011 B-7 R011 B-7 R011 B-7 R012 A-7 R013 B-8 R021 A-8 R021 A-8 R022 A-8 R023 A-9 R024 C-6 R025 D-8	R047 D-6 R048 A-5 R049 D-6 R050 E-7 R050 E-7 R050 E-7 R053 E-5 R054 D-7 R056 B-5 R057 C-5 R060 E-6 R201 J-11 R202 J-11 R202 J-11 R203 J-9 R204 K-9 R205 K-9 R206 B-5 R207 H-11 R208 H-12 R211 G-11 R213 J-13 R214 H-13 R216 H-12 R211 J-10 R221 J-10 R222 J-10 R228 J-10 R229 J-10 R228 J-10 R229 J-10 R228 J-10 R229 J-10 R228 J-10 R230 J-1 R231 J-10 R231 J-10 R232 K-11 R233 H-11 R233 H-11 R233 J-12 R240 G-10 R237 J-12 R240 G-10 R237 J-12 R240 G-10 R237 J-12 R240 G-10 R237 J-12 R240 G-10 R237 J-12 R240 G-10 R237 J-12 R240 G-10 R237 J-12 R240 G-10 R237 J-12 R240 G-10 R237 J-12 R240 G-11 R255 J-11 R255 J-11 R255 J-11 R256 J-11 R257 K-11 R258 J-12 R248 H-13 R249 J-12 R248 H-13 R259 J-11 R	R335 D-13 R336 D-13 R337 E-13 R338 D-11 R340 C-111 R341 D-12 R342 B-12 R343 C-14 R344 B-10 R345 C-14 R347 A-12 R348 E-14 R351 D-14 R351 D-14 R351 D-14 R352 D-13 R356 A-13 R358 B-8 R359 C-10 R356 A-10 R356 A-10 R356 A-10 R366 A-12 R367 B-13 R370 C-10 R371 C-13 R378 B-9 R379 A-12 R368 B-13 R370 C-10 R371 C-13 R378 B-9 R379 A-12 R368 B-13 R370 C-10 R371 C-13 R378 B-9 R379 A-12 R369 C-14 R382 E-13 R370 C-10 R371 C-10 R376 B-9 R377 B-9 R377 B-9 R378 B-9 R379 A-12 R368 B-13 R370 C-10 R376 B-9 R377 B-9 R377 B-9 R378 B-9 R379 A-12 R368 B-13 R370 C-10 R376 B-9 R377 B-9 R377 B-9 R378 B-9 R379 A-12 R368 B-13 R370 C-10 R376 B-9 R377 B-9 R377 B-9 R378 B-9 R379 A-12 R360 C-14 R382 B-13 R370 C-10 R371 C-13 R376 B-9 R377 B-9 R377 B-9 R378 B-9 R379 A-12 R369 C-14 R382 B-13 R385 B-13 R386 C-13 R387 B-13 R386 C-14 R387 B-13 R387 B-13 R387 B-13 R386 C-13 R387 B-13 R387 B-13 R386 C-13 R387 B-13 R388 C-14 R389 C-14	R552 J.4 R553 H.3 R554 F.9 R555 F.10 R556 F.8 R557 I.7 R558 I.9 R559 I.8 R560 H.8 R571 J.9 R572 J.9 R573 J.9 R574 I.7 R578 I.8 R591 E.5 R593 I.7 R578 I.8 R593 I.7 R599 G.6 R801 H.1 R802 K.5 R593 I.7 R599 G.6 R801 H.1 R802 K.5 R593 I.7 R599 G.6 R801 H.1 R802 K.5 R593 I.7 R599 G.6 R801 H.1 R802 K.5 R593 I.7 R599 G.6 R801 H.1 R802 K.5 R598 I.8 R598 I.8 R598 I.8 R598 I.8 R598 I.8 R598 I.8 R598 I.8 R598 I.8 R598 I.8 R598 I.8 R599 G.6 R801 H.1 R802 K.5 R803 G.1 R804 I.1 R805 G.2 R806 G.3 R807 I.3 R807 I.4 R810 I.1 R811 K.3 R812 K.4 R813 J.5 R814 G.2 R817 H.3 R812 K.4 R813 J.5 R814 G.2 R817 H.3 R812 K.4 R813 J.5 R817 H.3 R812 K.4 R813 J.5 R814 G.2 R817 H.3 R825 C.2 R826 C.2 R826 C.2 R826 C.2 R826 C.2 R826 I.8 RV503 J.7 RV558 I.5 SPARK GAP SG801 D.3 THANSFORMER	
C273 1-14 C274 H-14 C276 G-14 C277 G-14 C277 G-14 C278 J-15 C280 J-13 C281 H-14 C282 J-14 C283 J-14 C283 J-14 C284 I-15 C285 K-13 C28 K-13 C29 K-14 C290 I-15	C530 J-5 C531 G-6 C532 I-9 C543 G-5 C544 G-6 C544 G-6 C545 J-9 C546 I-7 C551 I-4 C552 I-4 C553 I-4 C553 I-4 C502 K-6 C803 F-1 C804 G-3 C805 G-4 C806 B-1 C807 E-3			R024 C-6 R025 D-8 R026 B-5 R027 D-8 R028 C-7 R029 C-6 R031 C-7 R032 B-8 R033 C-9 R035 C-9 R035 C-9 R035 C-9 R035 C-9 R035 C-9 R035 C-9 R035 C-9 R035 C-9 R035 C-9 R035 C-9 R035 C-9 R035 C-9 R035 C-9 R035 C-9 R035 C-9 R035 C-9 R035 C-9 R035 C-9 R035 C-9 R037 B-8 R038 B-8 R039 C-8 R040 C-8 R041 C-8 R041 C-8 R041 C-8	R286 G-15 R287 G-13 R289 I-14 R297 I-15 R298 G-15 R301 E-14 R302 D-14 R302 D-14 R303 C-14 R306 C-15 R307 C-14 R308 C-15 R319 A-10 R323 A-13 R324 A-14 R325 E-14	R528 G-7 R529 G-7 R530 I-7 R531 I-10 R532 I-8 R533 I-7 R534 H-7 R535 I-8 R536 G-7 R537 I-6 R538 I-6 R538 I-6 R544 J-6 R544 J-6 R545 G-7 R544 J-6 R545 G-7 R548 G-7 R549 H-8	THERMISTOR TH501 I-7 CRYSTAL X301 C-12 COMBINATION PARTS CP207 D-10
	C808 D-2 C809 E-1	D309 A-13		R045 E-7 R046 B-5	R332 D-14 R333 G-12 R334 D-13	R551 I-4	



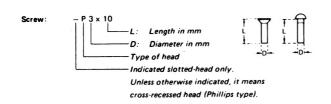
H2 [INDICATOR]







HARDWARE NOMENCLATURE



Reference Designation	Shape	Description	Remarks
		SCREWS	
Р	€	pan-head screw	binding-head (B) screw for replacement
PWH	€13	pan-head screw with washer face	binding-head (B) screw and flat washer for replacement
PS PSP	85 3-	pan-head screw with spring washer	binding-head (B) screw and spring washer for replace- ment
PSW PSPW	980	pan-head screw with spring and flat washers	binding-head (B) screw and spring and flat washers for replacement
R	€ 3	round-head screw	binding-head (B) screw for replacement
К	Þ	flat-countersunk-head screw	
RK	₽	oval-countersunk-head- screw	
В	Ð	binding-head screw	
T	(truss-head screw	binding-head (B) screw for replacement
F	₽⊃	flat-fillister-head screw	
RF	€⊃	fillister-head screw	
BV	₽	braizer-head screw	

Nut, Washer, Retaining ring):
N 3	—Diameter of usable screw or shaft
	— Reference designation

Reference Designation	Shape	Description	Remarks	
		SELF-TAPPING SCRE	ws	
TA		self-tapping screw	ex: TA, P3 x 10	
PTP		pan-head self-tapping screw	binding-head self- tapping (TA, B) screw for replacement	
PTPWH	€	pan-head self-tapping screw with washer face	binding-head self tapping (TA, B) screw and flat washer for replacement	
PTTWH	#=	pan-head thread-rolling screw with washer face	binding-head (B) screw and flat washer for replacement	
		SET SCREWS		
SC	-63-	set screw		
SC	-⊚€⊒-	hexagon-socket set screw	ex: SC 2.6 x 4, hexagon socket	
		NUT		
N	-[]-🚱-	nut		
		WASHERS		
w	0	flat washer		
SW	-0.1	spring washer		
LW	0	internal-tooth lock washer	ex: LW3, internal	
LW	٥	external-tooth lock washer	ex: LW3, external	
		RETAINING RINGS		
E	69	retaining ring		
G	@	grip-type retaining ring		